

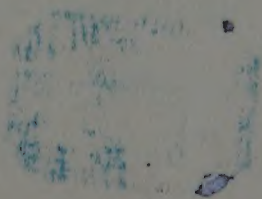
80



Amelia S. Allen .

37 Mosswood Road .

Berkeley . California .



1934

1

January.

Very little cold weather - no frosts in our garden and very seldom any frost across the canyon. Many spring-like days.

The Anna Humming bird has come constantly to the Red-hot Poker Plants on the street-line above the house and on Jan. 25 I saw one come to a test-tube feeder filled with sugar-syrup which I have fastened to the honey-suckle at the front door.

Heard barn owls calling several evenings 3rd week Jan. Jan. 27. Dr. Grinnell brought his class to watch birds through the window.

Weather warm, clear. Section 1, 8:20-10 a.m.

Section 2, 10-11:40 a.m.

Birds came quite continuously.

Calif. Quail - a flock of about 21, one came. Calif. Blue Jay - came repeatedly. Carried off sunflower seeds, 8 or 10 at a time. Buried most of them.

Fox Sparrow, Song Sparrow, Brown Towhee.

Junco came repeatedly for food - Titmouse too. Robin, Varied Thrush and Thrasher came to pool for water and Wren tit and Spotted Towhee were seen several times back of the table.

The Spotted Towhee comes to the table less frequently than in past years. Golden-crowned Sparrows were singing just above the pool but were not seen. One hummingbird buzzed near the table. Those on front row said it showed rusty color.

Jan. 28. At Boulder Creek during morning. Light frost followed by warm sunshine. Took a short walk about 10 a.m. Many Varied Thrushes, a few robins, Hermit Thrush, Juncos, Brown and Spotted Towhees, Coast Jay, Black Phoebe, Hutton Vireo, Purple Finch, Pine Siskin, Green-backed Goldfinch and a Sharp-shinned Hawk seen or heard.

Jan. 29. Cold fog. Went to S.F. in afternoon. Glaucous-winged Gulls outnumbered all others that followed boat. In Berkeley the Calif. Thrasher sang continuously about 8 a.m. Song Sparrow sang after

Jan. 30. Song Sparrow was singing before it was really light.

Jan. 31. "Lark Birds" went via Tunnel Road to Sausal, returning via Drimington to Dunbarton Bridge, to Baumberg and then home. Very heavy tule fog continuing almost all the way to Sausal except on high hills near the tunnel. Then clear and warm. Fog again at Dunbarton. Birds seen: Along the way: Bluebirds, Flickers, Meadowlarks, Robins, Shrikes, Sparrow Hawks, Blackbirds, Linnets, Gambel Sparrows, Audubon Warblers. First Stop at Mission Bridge. Levee had been opened, water very low, tules dead.

Birds seen: Pied-Billed Grebe, Coots (ab.), 2 Female Canvas-back Ducks, Gt Blue Herons (several), Night Heron (1), Red-tail Kildeer, Kingfisher, Willow (?) Woodpecker, Black Phoebe, Crows, Calif. Thrasher (singing), Hermit Thrush, Shrike, Yellowthroat, Br. Blackbird (one), Gambel & G.-c. Sparrow, Brown Towhee, Song Sparrows (very ab.) Purple Finch (small flock.)

We went up the valley where we found Lewis Woodpecker, yellow-billed Magpies, Calif. Woodpeckers, Titmouse, Hutton Vireo, Calif. and Coast Jay, Red Tails, Sharpshins and Sparrow Hawks, Say Phoebe, Savannah Sparrow, Pipits,

Near Drumington W. Bluebirds, Aud. Warblers and Purple Finches were closely associated on a weedy slope. At Drumbarrow there was nothing seen on the salt ponds but beyond Sandpipers, many of them Redbacks, were abundant and in the distance we could see Pintails, Avocets and Willets. Beyond them, lost almost in the fog, were rafts of birds which we could not identify. Many gulls and Cormorant (1)

Returned to Bannberg where we spent a few minutes on the fresh water pond where we saw Pintails (a few), coots, Doves (40±), Yellowlegs (Greater?) (4-6) and sandpipers.

Feb. 1-7. No cold weather or frost.

Feb. 7, 8. Rain. Warm.

Feb. 9. A female Anna Hummer comes to the Red-hot Poker plants and also to both feeding tubes - one on honey suckle at front door, one on feeding table. Clear.

Feb. 10. North wind.

Feb. 11. Beautiful spring day. Many birds at Cordones Park. We sat on bank and watched them come down to the stream to bathe. Gambel & G.C. Sparrows. Fox Sp., Greenback Goldfinch, Townsend Warbler, Varied Thrush. Birds singing - Gambel Sp., Fox Sp., Vigors Wren, Wren Tit and Calif Purple Finch. Saw also Willow Woodp. & Scr. Owl. About 5 p.m. heard the buzz of the Allen Hummer.

Feb. 12 At 4:50 p.m. I heard a thump followed by a continuous fluttering sound as I sat in the living room. I found a Fox Sparrow striking at the window. When it stopped it perched on the sill for some seconds with its beak open. A little later I saw

1934

a fox sparrow with no tail feathers near the feeding tray.

Feb. 16. A blue jay carried a stick to a platform of sticks in an oak tree near our entrance. A female Anna Hummingbird came to the feeding tube several times while I was working in the garden. The tube was freshly filled this morning and was empty by 5:30 p.m.

Feb. 18. Rain. James saw a large flock of large birds at Boulder Creek which he thought were band-tailed Pigeons.

Feb. 19-24, 26 Rain much of the time. Cedar Waxwings on Pied.

Feb. 26. ^{Rain and} Partly Cloudy. Purple Finch singing in rain. Ruby-crowned Kinglet heard frequently singing. Watched Varied Thrushes in garden. One below the wall at end of path got something in its beak which it dragged sidewise against the ground several times before eating it. Blue bird came to bathe in water pool; stood in deeper water with tail spread then plunged its head clear under the water and splashed thoroughly. Repeated this many times. Feb. 27. Allen Hummer seen.

Feb. 28. Went with Lady Birds to Tomales Bay to see Black Brants. Found a few 100± beyond Marshalls, very tame. After watching them for some time we got out of the car, slammed the doors, honked horns but could not make them fly. Birds not abundant along way until we passed Pt. Reyes Station. Increasingly abundant along the shore of Tomales Bay. On the return we followed the back road from Driveness to Olema where birds were exceedingly abundant. Species seen (as heard): Pacific Loons (4) singly: W. Grebe (mating call on S.F. Bay), Pied bill, Horned, Eared.

Surf & White-cr. Scoters, Ruddy Ducks (a few), Black Brant, Coots, Cormorant (Brandt?), Blue Herons, W. & Glaucous-cr. Gulls, Killdeer (heard from car), Redtails, Sparrow Hawks, Allen Hummingbird, Meadowlarks (singing), Calif. Woodpecker, Flicker (ab.), Calif. & Nicasio Jay, Brewer & Redwinged Bst., Crows, Tule Wren, Vigors Wren (heard), R-c Kinglet, Bush Tit, Wren-tit, Titmouse, Chickadee, Aud. Warbler (ab.), Hutton Vireo, W. Robin, Varied Thrush, W. Bluebird, Nuttall & Gambel Sparrows, Song Sparrow, G-b Goldfinch, Juncos, Linnets, Dickcissel, Br. & Spotted Towhee, Black Phoebe, Pipits, Eng. Sparrows, Horned Lark heard near Richmond - 5 sp.

March 2. City Club bird class went to Baumberg and San Mateo Bridge. Heavy fog; lifting as we reached Baumberg. No wind, warm, muddy. The first pond contained considerable water and on it we saw 18 Avocets, a few Yellowlegs, Coots and sandpipers, ^{two Pintails and 1 St. Blue Heron}. The second pond was almost dry - Many pipits were feeding on the drier parts of the bottom. Killdeer and Yellowlegs on the wetter. Song Sparrows everywhere. Twice we saw a Short-eared owl and noted the wing stroke which covered a wide arc. On the salt pond we could see from a distance coots and pintails (very few) - too muddy to reach the shore. Meadowlarks were singing and calling in the fields. Two Tree(?) Swallows flew over. A shrike, Linnets, Audubon Warblers were near the club house, Brewer and Redwinged Blackbirds in the marsh. Aud. Warblers were feeding in the wild carrot plants on edge of canal. It was still high tide when we reached the bridge. ^{Sunny, wind rising.} In the distance we could see swarms of birds the size of

1934

Willetts wheeling and circling low over the water and settling on distant mud banks. On the water was a large raft of Ruddy Ducks (1000+) and two Lesser Scaups. Some of the narrow mud lines in the salt pools were solidly covered with Sandpipers asleep. We had to wait nearly an hour for the turn of the tide during which time nothing was seen on the bay shore in front of us except a few Gulls. But as the water began to recede a huge flock of sandpipers came in (2000+) and one Black-bellied Plover. After a few minutes other flocks appeared, mostly Sandpipers, Bb Plover and Willets. The tide went out rapidly and the sun became in from the west a little too low to give good light from the mud bank where we were watching. So we went up on the bridge and stood above the birds on the edge of the receding water. A few godwits could be distinguished in addition to Willets & B. & P. Plover. On the mud a scattered flock of some fifty Demigrey Plover was feeding.

March 4. A perfect spring day. 24 species

Clear, warm. The Anna Hummer which emptied the feeding tubes before the last rainy week seems to have disappeared. The tubes remain full. An Allen Hummer comes to the red-hot poker plants now.

March 5. Cloudy p.m., warm.

Mar. 6-8. Very warm; light north winds.

Mar. 9. Bird Lore Class in Strawberry Canyon. Warm, Beautiful day. Very little breeze. Took a new trail along the creek bed made by C.C.C. men camped in canyon. Many fritillarias and trilliums; currant almost gone. Alder trees covered with catkins. Audubon Warblers feeding in alders. Lutescent Warbler species - certainly 8 males singing. Perhaps more.

Returned by lowest Titus trail. List of birds.

Redtailed Hawk, Allen and Rufous(?) Hummers, Calif. & Coast Jays, Flicker heard once, Meadowlark heard, Hutton Vireo, Audubon and Lutescent Warblers, Vigors Wren (14) Wren-tit, Bush-tit, Titmouse, R-C Kinglet (singing everywhere) Thrasher (heard), Varied Thrush, Hermit Thrush, Juncos, Brown & Spotted Towhees, Song Sparrow.

Mrs. Mead saw the Lutescent Warbler pulling an alder catkins to pieces (eating catkin or insect?)

Vigors Wren carrying sticks into box near front door.

Red-hot poker flowers gone. No hummingbird.

Mar. 12. Faculty Bird Section - Strawberry Canyon and 39 Muswood Rd. Heavy fog. Not cold. Sun later.

Birds singing: Ruby-cr. Kinglet, Titmouse, Vigors Wren, Lutescent Warbler, Thrasher, Song Sparrow, Spotted Towhee. Vigors Wren still building in box, carrying sticks. Jays nest complete?

Blue Jay makes to alight on ground to later ~~sunflower seeds~~ sunflower seeds.

Mar. 16. Found Rufous-crowned Sparrows on Dwight Way hill. A pair in artemisia and baccharis, male singing, female gathering nesting material. Female spent much time in grass where we could not see her; male in bush singing. Male followed her as she flew up into bush. Ranged from head of gulch to a point 150 ft ± below. Another male was heard singing 300 ft farther north. A pair of sparrow hawks were very active and noisy in the sky the property. A Townsend Warbler was singing in the oaks near the stream to the north.

Varied Thrush was bathing in pool at 5:30 p.m. A few quail have learned to stand on railing and poke their heads into coconut shell as it whirls to take away seed.

March 17. Drove to Boulder Creek via San Jose & San Jose. Warm
Pine trees in full bloom. Saw Violet-green Swallow
loos (15-20) at Mission Bridge.

March 18. Boulder Creek. Brilliant sunshine until 9:30 a.m.,
then high fog for an hour, then clear. Lutescent
Warbler heard. Also the usual chickadees, creepers.
Santa Clara Valley overcast and chilly fog in Oakland and
Berkeley as we came home (5 p.m.)

March 19. Partly cloudy. Cooler. A Hermit Thrush sang
repeatedly at 6:30 a.m. in full voice, but
incomplete song. Lutescent Warbler song heard
from house. Ruby-cr. Kinglets, Fox Sparrows.
Purple Finch, Vigors Wren, Song sp. singing.

March 21. Heard and saw Warbling Vireos at Mrs. Meads.
Lady Birds (~~decided to adopt name of~~ *Amatho monia*)
went to the Pintail Geese Club near Centerville, owned
by Mr. Tobie and Mr. Tucker. Many foreign and rarer
American ducks and geese in separate cages, two
large cages contained ponds, one for diving ducks,
one for river & pond ducks. Outside on open ponds
were geese and swans that had been pinioned.
Beyond all these in ponds near the bay shore were
wild birds where many pintails, coots, gulls and
300-400 Long-billed Dowitchers were feeding.
The native ducks seen were: Mallard, Gadwall, Pink-
Baldpate, Green-winged, Cinnamon and Blue-winged Teal.
Shoveller, Wood Ducks (3 or 4 pers.) Redhead, Canvas-back
^{Greater} Scaup, Lesser Scaup, Ring-necked Duck, Am. Goldeneye
(2 females), Bufflehead, Ruddy, Fulvous Tree Duck, Snow
Goose, Greater Snow Goose, Ross Goose, White-fronted Goose
Canada, Hutchins and Cackling Geese, Whistling Swan.
Also Blue Goose, Blunt-billed Goose, Emperor Goose.

Black Ducks, Florida Duck

Black-bellied Tree Duck, Eider Duck (sp.?) that breed in N. America -
 Foreign Ducks and Geese: Barnacle Goose, Bean Goose,
 Pink-footed Goose, White-front Tree Duck, European Widgeon,
 Bahama Pintail, Falcated Teal, or American Cuck that
 from Greenland etc. Also Mandarin Duck (China), Red-
 crested Pochard (Can. Asia), European Sheldrake, English
 White Mallard (decoy), South African Sheldrake,
 Paradise Sheldrake, Rosy-bellied Duck (New Zealand),
 Gray-breasted Tree Duck (S. America), Philippine Tree Duck,
 Ring-necked Teal, Brazilian Teal, Chile Widgeon,
 Russian Teal, Bar-headed Goose (Asia), Ruddy Goose,
 Magellan Goose, Cronos Goose (call Cronos and
 the male went through courtship antics), Black-winged
 Goose, Goose (New Guinea - male only),
 Ash-headed Goose (Patagonia), Blue-winged Abyssinian
 Goose, Australian Geese, Jap. Spot-billed
 Goose, Magpie Goose (New Guinea - only tree goose),
 Nile or Egyptian Goose, Cereopsis's Goose, (Cape
 Barren [farthest south]) - a pair with red downy young.
 Weather warm, windless until 3:30 pm then cloudy breeze.

March 12. Partly cloudy. ^{Vigors} Wren spent some time in nesting box
 while male sang in trees. Golden-crowned Sparrows - song
 increasing. Oak trees in full leaf and blossoms dropping.
 Dr. Miller told me he found the Warbling Vireo on Mar. 15,
 Pileolated Warbler, Mar. 18. This morning about
 10 a.m. I heard a bird note that was new to
 me. It was a high-pitched, sharp note, repeated
 several times. Following up the sound I found
 a Sharp-shinned Hawk soaring above the trees.
 Late afternoon in Mt. View Cemetery, saw large flock of Cedar
 Waxwings.

Mar. 23. Bird Lore trip to Copson's Park. Cloudy but not cold. Birds were very abundant. We followed up the little stream to Tamselpais Rd., then crossed the road to a brushy area above. Birds seen: Quail, Anna and Allen(?) Hummingbirds, Flicker, Calif Jay, W. Flycatcher (first time this spring), Warbling Vireo, Townsend Warbler (singing), Lutescent Warbler, Vegas Wren, Wren-tit; Bush-tit (bathing) (also carrying willow down), Ruby-crowned Kinglet (singing), W. Robin, Varied Thrush, Hermit Thrush, Purple Finch, Linnet, G-b. Goldfinch, ^{Piney Section} Brown & Spotted Towhee, Junco, Nuttall Puget Grouse, Gambel, Golden-crowned, Fox and Song Sparrow.

March 25. Partly cloudy. A flock of golden-crowned sparrows came to bathe - only one in full plumage seen. At the same time several Townsend Warblers were singing in the oaks above the park. Flocks of juncos are still present. All feeding on worms in the oaks. Sharp-shinned Hawk heard again.

March 26. Partly cloudy. Spent the morning cleaning the attic. With the windows open I could hear all the birds singing. They were feeding on the small worms ($\frac{1}{2}$ in. long $\pm$) in the live oak trees. Juncos were numerous and singing their finch-like song (flock song?), no trills. Many Townsend Warblers were there singing continuously. A few Audubon Warblers were singing. One I saw was in full summer plumage. There were singing all the morning. Occasional songs were heard from the Thrasher, Vegas Wren, Golden-crowned Sparrows, W. or S. Sparrow.

In the afternoon after 2 p.m. I was working in the garden for an hour. A Ruby-crowned Kinglet sang continuously, and a flock of Pine Siskins came in. The clock-winding song was heard many times. Townsend Warblers & juncos still singing. Heard guard call of quail.

March 29. Cloudy. Rain in evening. Not so many birds near the house. Hermit Thrush still singing. Flocks of juncos in trees. The Vigors wren has been ^{heard} at the nest so frequently the last two days that I judge brooding has begun. On the campus near the museum many Audubon Warblers and Pine Siskins were singing. Tonight and last night at 6 p.m. a robin perched on the tip of a tall redwood s.w. of the Women's Faculty Club and sang continuously. Sharp-shinned Hawk heard. Bird was perched in thick oak N.E. of house just over line.

March 29 - Apr. 1. Easter Holiday at Boulder Creek. Beautiful weather - Occasional clouds. No rain here since ~~Mar~~ early March so ground is quite dry. Small black beetles eating petals of Nemophila ~~saia~~ and Cal. poppy. Several Pileolated Warblers along river bank. ^{W. Flycatcher and Warbling Vireo} Lutescent Warblers numerous.

One Cassin Vireo heard at Camp Newell (Apr. 1)
On Mar. 30 walked with Mr. & Mrs. McCabe up Clear Creek. Four singing Winter Wrens heard (spaces for nesting?)

On Apr. 1 walked through Felton Big Trees.

One Winter Wren. many creeper chickadees
Siskins (flock), juncos (bubbling)

The only winter visitants seen were Varied Thrushes at Camp Newell. W. Robin at Boulder Creek (town). Watched a female Harris Woodpecker hammering at bark of alder where the wood was rotten.

April 2. Berkeley. Chilly, clear. Varied Thrush and Hermit Thrush came to pool.

As I came home at noon a Vigors Wren was singing an unusual song - two single notes followed by a trill. The trill was very loud ^(as loud as titmouse) and emphatic - not like the ordinary ending of either familiar song. He was perched in the brush above the road and west of the steps. He was answered by the wren that has a nest in the box by our front door - at least from near the nest. Fox Sparrow heard in early morning. Heard faintly the songs of Townsend and Audubon Warbler. No flock of juncos noticed.

April 3. Chilly north wind. Very few birds noticed. Saw Hermit Thrush bathing. In Claremont Hotel grounds, where I stopped in the car a few minutes to listen, I heard Warbling Vireo, Song Sparrow, Bush tit and Siskins. Apr. 4. Flock of G-c Sparrows.

April 5. Clear, warmer. No wind. Winter birds: Hermit and Varied Thrushes, juncos, Fox Sparrows G-c Sparrows, Aud Warbler. Heard ~~Townsend~~ ^{Townsend} Warbler U.C. spraying trees. I am talk on birds at the church. Stratton children brought me a dead Pileolated warbler to identify.

Mrs. Thompson told me that at an evening lecture given by Prof. Whittaker in Room 11 Wheeler Hall, a hummingbird (male Anna) flew about the room for an hour without alighting.

April 6. Bird Lane trip to Lake Merced. Fog on
bay a.m., fog all day at Lake Merced. Hot
in Berkeley - no breeze.

On bay: Loon (Pas.?), Common Loon, Western
Grebe (ab.), Cormorant (Far.?), Surf and White-
winged Scoter, Glaucous-winged Gull, Bonaparte
Gull (ab.), Sandpipers (sp.? 1 flock).
At Cliff House: Surf Birds (2), Glaucous-wg.
+ Western Gulls.

At Lake Merced: Pied-billed Grebe - 2 spent most of lunch hour asleep in edge of lake in shallow water ^{inshore from} ~~west of~~ tules. Western Cormorant, W. Blue Heron, Black-crowned Night Herons (8+), Bittern (seen twice), Mallard Ducks (males ab. only two females seen, Brooding?), Ruddy Duck - one male, white on cheeks and under tail very conspicuous.

Virginia Rail. Came into pool where grebes slept.
Cool.

Glaucous-wing. Calif (or Ring-billed) and Western Larks.
Anna Hummers - one female acting as if near nest.
Allen Hummers - hundreds -

Kingfisher - disappeared into fog - heard call.
Flicker - heard.

W Flycatcher, Swallow (sp), Chestnut-backed
Chickadees (ab.), Bush-Tb., Vigors Wren,
Sale Wren - very ab - singing, carrying twigs 15 in long.

W. Robin - one heard near edge of golf course.
 Audubon Warblers, ab - singing, full plum.
 Yellowthroats, many seen, no songs except
 one back from lake in willows. One seen
 carrying nesting material.

Pileolated Warbler - 2 seen.

Red-winged Blackbird - a few in tules.

Brewer Blackbirds - in grass along boulevard.

Purple Finch - ab. singing.

House Finch - ab. singing.

Willow Goldfinch - heard, seen in flight.

Pine Siskin, large flocks in pines & Pinal.

Spotted Towhee in shrubs - near edge of lake.

Pt. Pinos Junco - one or two singing till

Mullall Sparrow - many, full song -
 One song.

Song Sparrow.

44 species.

Hermit Thrush, Fox Sparrow, Townsend Warbler near
 home in Berkeley.

While we were both away from home the U.C.
 sprayers sprayed all the oaks on our place
 except three near the street - no permission.

Apr. 7. The sprayers asked permission to spray the
 rest of the trees - no expense to us. Since
 those are the ones which cause the greatest
 amount of discomfort in the level part of the
 garden I had them finish the job. The trees were
 being very severely worm-eaten and there had been
 no rains to delay migrations and so increase
 birds. Took Mr. & Mrs. Mead to Boulder Creek.

Visited garden of Mr. & Mrs. Stone between Los Gatos and Saratoga. Beautifully situated with views of mountains in all directions. Very warm. At Boulder Creek a Grosbeak was singing near the cottage. Very dry, warm. Very clear at night - colder than during March. ^{Robin singing near Johnson place at 8 P.M.}
 April 8. Grosbeak began singing at dawn. Later heard Cassin's Warbling Vireo, W. Flycatcher, Warbling Vireo, Allen Hummer besides junco. ^{Violet-green warbler} Pileolated and Black-throated Gray Warblers besides permanent residents. Drove up Clear Creek to find Winter Wrens - none heard. Were the four we heard last week winter visitors? Warm - beautiful day - Pair of quail in garden.
 April 9. Berkeley, Faculty Bird Section explored lower campus. Birds very abundant. Summer visitors: Allen Hummer, W. Flycatcher, Warbling Vireo, Lutescent Warbler. Winter visitors, Robins (everywhere); Cedar Waxwings huge flocks near Le Conte Oak & in Eucalyptus grove, drying feathers after bathing in stream; Audubon Warblers (singing & in full plumage), Hermit Thrush, Fox Sparrow (sang once), Golden-cr. Sparrows (many in full plumage).
 Permanent Res.: Quail, Cal. & Coast Jays, Anna Hummer, Linnel, Purple Finch, Pine Siskin, Song Sparrow, Brown & Spotted Towhee, Nuttall Sparrow, Bush. Tits, Titmouse, Junco.
 Near home, Gambel Sparrows, Townsend Warblers, great numbers of robins; later Golden-cr. Sparrows. Many Purple Finches. Perhaps the spraying knocked many worms from trees to ground.

1934.

Noticed a number of Tent caterpillars on the walls and on ground. Cooler with light clouds in early morning. No Kinglets since Mar. 26 and no flocks of juncos since Mar. 27. Trilling song of juncos heard frequently in different places but always from single bird or pair. Bush-tits nest on same branch of cypress where they built last year at west end of road to dairy. Feeding young. April 10. Many birds near house. Golden-crowned Sparrows, Purple Finches, Robins, a flock of juncos, Townsend Warblers (a few), Pine Siskins, Hermit Thrush and Fox Sparrows singing. Thrasher sings near house every day. Purple Finches were pulling worms from among leaves and eating them with clicking of mandibles. Blue jays are feeding young - have been for several days. Vireos were still ~~brooding~~ ^{brooding}. Fog at night.

April 11. Went to Inverness by way of Carquinez Bridge. Along the Sear's Pt. Cut-off all the marshes have been drained except those at the hunting club. Birds were comparatively few both as to species and individuals. Saw: St. Blue Heron, American Egrets, Murrelets 10+, Shoveller 4+, Pintail 1, Canvasback 10+, Ruddy 6+, Golden Eye 1 female, Marsh Hawk (both light and dark), Coots, Killdeer 1, Black-bellied Plover, 20+, Yellowlegs 8, Red-backed Sandpiper 50-100, Western (and Least?) Sandpipers (one large flock), Avocets 6+, Dowitchers 100+, Western & Bonaparte Gulls (in marsh), Horned Larks, Barn Swallows (a few), Tule Wren, Red-winged and Brewer Blackbirds, Meadowlarks, Lincoln's Sparrow, Willow Goldfinch, Savannah Sparrow, Salt Marsh and

Song Sparrows,

Novato to Inverness: Calif. Woodpecker, Western Crows, Bluebirds, Chickadee, Violet Green (on tree?) Swallows, Junco except near Inverness.

April 12. Heavy fog during night - road very wet.

High fog all day - no wind. Not cold.

Left Inverness 8:30 a.m. for Pt. Reyes. Wild flowers very abundant - yellow lupines, poppies (yellow), dark blue iris, blue violets, lavender, chelidonium (3 in.), etc. and at Pt. Reyes, rosy, arabis, anemone, cream wall flower, etc. etc. We walked down the steps to light house where we could watch the birds passing the point (scoters and loons (Pacific?)) and others swimming (guillemots, Baird and Brandt Cormorants). Then we took a trail branching to the right a little above the light house. From there we could look down on the rocks in the surf. Ones immediately below us was covered almost solidly with California Murres all standing upright close together. Occasionally one would begin to flap its wings and another to bow. We could hear their rough hoarse calls. A few Brandt Cormorants were among them. Below in the water was a line of 13 Pigeon Guillemots and we could hear their high whistling notes, (like escaping steam). Surf Scoters were swimming near and Baird Cormorants were flying to and from the cliff below us. Then we saw a Tufted Puffin fly in toward the cliff and out again. The bright colored parent bill and red legs could be easily seen. A Rock Wren perched on the hand rail outside the trail. Pacific Loons were constantly passing in scattered

groups of ten to forty birds each. Six or seven hundred must have passed while we were waiting - all headed north and flying twice as fast as the Scoters which often formed in a V. Once a cormorant (Brandt?) took its place in the V and flew some distance with them. Birds seen at or near the point were: Pacific Loons, Brandt & Baird Cormorants, White-winged and Surf Scoters, Buffle-heads (one group of $15 \pm$) well off shore, Western, Glaucous-winged (imm.) and (Calif. (or Ring-billed Gulls?)) California Murres, Pigeon Guillemots, Tufted Puffins (4), Western Crows, Rock Wren, Willow Goldfinch, Fox Sparrow, Nuttall Sparrow - song more vibrant than ours, more like the Puget Sound variety. Between the point and Inverness we saw also: Buzzards, Marsh Sparrow (1) and Redtail Hawks, Quail (in pairs), Raven, Flicker, Allen Hummingbird, Horned Larks, Barn, Cliff, and Violet-green Swallows, Calif. Jay, Chestnut-backed Chickadee, Meadowlark, Brewer and Red-winged Blackbirds; and at Inverness Western Grebe, Gt. Blue Heron, Black-crowned Night Heron, Hudsonian, Curlews ($30 \pm$), Long-billed Dowitchers ($30 \pm$), W. Kingfisher, Western Flycatcher, Chickadees, Bush-tits, Robin (1), Pileolated Vireo, Lutescent, T. olive and Pileolated Warblers, Purple Finch, Linnet, Willow Goldfinch, Siskin, Spotted Towhee, 53

53 + Seaside etc. = Total 72 species.

Apr. 13. Fog morning & late afternoon. Flock of Purple Finches eating worms in oaks. Saw several worms dropping from trees on webs. Blue jays have been feeding young several days. A pair of Spotted Towhees below the new pool kept scolding. Finally

I went down and threw a stone into the tangle where they nest each year. A Blue jay flew out. Fox Sparrow singing. Golden-crowned Sparrows bathing. Took down feeding table. Hung gourd ^{with sunflower seeds} and Cocoa-nut shell with canary seed on railing.

Apr. 14. Grosbeak singing near house (first time)
~~and Fox Sparrow still here~~

Apr. 14. At Saratoga heard my first Yellow Warbler for this season. Young Anna Hummers were feeding in the yellow jasmine bush. A Grackle was singing.

Apr. 15. Drove home from Boulder Creek via Skyline Blvd. where we heard several Chip-ping Sparrows - the first I have heard this spring. As we crossed the bay we watched for Bonaparte Gulls but only three were seen at the east end of the pier. Later Mrs. Ferguson told me they were very abundant at Dunbarton Bridge April 14.

April 17. A flock of bush tits went thro' the garden. I could detect no notes of very young birds. A blue jay dashed at them several times. No sound of any kind from Vigors Wren but - though I looked in it several times. Not yet brooding? (Later. Killed & spray?)

April 18. Very foggy a.m. Many birds singing at 4:30 a.m. Vigors Wren, Song Sparrow, Thrasher, Golden-crowned Sparrow, Grosbeak. Fox Sparrow still here.

April 19. Heard no Fox Sparrow. Saw ^{one} Golden-crowned Sparrow scratching in dry soil near pool - in full plumage. Bush-tit nest in cypress tree empty - bottom torn out of nest. Mrs. Kimball told me she had not yet heard a Grosbeak in her canyon - nor a House Wren. Her latest date for the grosbeak heretofore has been April 18, earliest April 7. Heavy fog in morning - Clear later.

April 20. Toluine Warbling singing at end of Moorwood Rd. High fog all morning. Bird Love on hill at end of Dwight Way. Birds scarce. Did not see Rufous-crowned Sparrow. In Chaparral above the Mann house were many Thrashers (four singing), Pileolated Warblers, Lutescent Warbler, White-throated Jays, Towhees etc. No Grosbeak. House Wren heard near Institution grounds. Juncos singing near Coolidge place.

April 21. Took Miss Chatterin and Miss Wythe to Boulder Creek. No stops. Heard Yellow Warbler at Haywards and above Saratoga. Rain at night.

April 22. Rain all the morning. Grosbeak, Warbling and Cassin Vireos, Black-throated Gray and Pileolated Warblers, Chickadees. Rain until we passed summit above Saratoga then clear with beautiful lights - air sweet and clear. Returned via Summit.

- Apr. 22 (contin.) (At Mission Bridge over Calaveras Creek ~~(Apr. 22)~~) Yellowthroat, Redwings, Cliff and Violet-green Swallows. Birds very abundant the rest of the way. Many Yellow Warblers, several Chipping Sparrows heard. Stopped a minute at Alamo bridge where Lazuli Bunting was singing. Dinner with H. R. W. Smith. He told me he saw Lazuli Bunting in hills.
- Apr. 23. Rained during night. Partly cloudy day. Toluca Warblers still singing at end of road. Young Blue jays in nest calling. Heard Russet-backed Thrush in Linforth Garden.
- April 24. Rain at night.
- April 25. Clear. Beautiful after the rain. Young Blue jays left the nest. I was awake at dawn but there were no birds singing. Very few sing through the day - The Toluca Warbler, occasionally a Song Sparrow or Vigor Wren. Spent the morning in Mr. Blake's garden. Saw Golden-crowned Sparrows. Also Lazuli Buntings. Lutescent Warblers were carrying food. No Yellow Warblers or Grosbeaks. Mrs. Saunders reported that at Arroyo Mucho on April 15 she saw a pair of Phainopepla, many Orioles and Kingbirds but no Lazuli Buntings.
- April 27. Beautiful day. Oak Springs 9:45 - 11:45 a.m. Two nests of Western Flycatcher - one on side of house several feet below wide eaves fastened to electric wires, no projection of any kind for support. Parent bird came several times to feed young in the nest. Second nest on cross piece at back of garage - no eggs.

April 29 - Oak Springs Contin. Several Grosbeaks were singing (4?), and several House Wrens. Linnets were building a nest in a very small slender Italian Cypress. Saw also snail, Flickers, Cal. and Coast jays, Titmouse, Virgin Wren, Lutescent Warbler (sang on electric wire continuously), Warbling Vireo, Black Phoebe, Spotted Towhee, Song Sparrow, W. Bluebirds, Y.b. Goldfinch. Heard a Sharp-shinned

Hawk calling near the house (Berkeley)

April 28. ^{Heard an oriole in Berkeley near house.} Left Berkeley 1:30 p.m. drove via Walnut Creek. ^{Empty nest in Virgin Wren's nest but no egg.} Went to Boulder Creek. At Mission Bridge Swallows were flying low over water, dipping bills into water. Yellowthroat singing. Reached Boulder Creek 5 p.m. Chilly breeze, partly cloudy.

April 29. Brilliant sunny morning. Birds heard: W. Flycatcher, Chickadee, Warbling and Cassin Vireo, Lutescent, Pileolated and Black-throated Gray Warblers (Olive-sided Flycatcher (first time), R.b. Thrush (first time), Kingfisher, Grosbeak, Song Sparrow, Spotted and Brown Towhees. No yellow Warblers yet. On way to Saratoga heard one yellow Warbler, one Black-throated Gray (~~as Pileolated?~~), one Creeper and one Wood Pewee. Left cottage 1:30 p.m. reached 37 Mosswood 4:15 p.m.

April 30. Rain in evening.

May 1. Rain. Birds have been very scarce near house since April 18. Winter visitants gone and summer visitants slow about coming in. No signs of nests near house except blue jays nest (now empty) at dawn I heard in distance Song Sparrows, Spotted

and Brown Towhees, Purple Finch at 4:40 a.m. (cloudy)
 A little later a junco under the window and
 farther away a Vigors Wren. Still farther away
 a quail and Thrasher. Heard no Lutescent
 or Pileolated Warbler, but Toluia Warbler sang
 constantly. At 5 a.m. a Calif. Jay + Wren-tel
 Cloudy.

In the afternoon (4:30) I walked up the
 canyon by way of the upper road on the
 south side, returning by the middle trail.
 Clouds scattered, clearing.

Birds seen or heard: Spotted Towhee - 8,
 Brown Towhee 2, Song Sparrow 2, junco
 1 singing, Vigors Wren 3, noisy young in nest;
 Thrasher 2, Wren-tel 6-8, Toluia Warbler
 2 in full song (one sang - tee-tee-tee - - -)

Anna Hummer 2, Allen Hummer 1 male doing
 pendulum, (Calliope 3, 1 very small.

gray green back - flew before I could see gorget)
 Lutescent Warbler 6 - no song; Sh. Sh. Hawk 1,
 Quail 6-8 pers., Warbling Vireo 1, Grosbeak 1,
 Russet backed Thrush 2, Bush Tels - four families,
 1 flock (= families?)

May 4, 1934. Bird Love Alamo and Saranap.

Beautiful sunny day. Stopped first at the
 bridge at Alamo, then back to Saranap, re-
 turning to Berkeley at 3 p.m. Saw Mourning Doves,
 Quail, Hummer (Anna?), Calif. Woodpecker, Nuttall
 Woodpecker, Flicker, Bank Swallow (or Roughwing?),
 Cliff Swallow, Calif. Jay (1), W. Flycatcher, Black
 Phoebe, Wood Pewee, Bush Tels 4-19, Slender-
 billed Nuthatch, Titmouse, Vigors Wren, Song Wren.

Russet-backed Thrush, W. Robin, Warbling Vireo, Lutescent, Pileolated and Yellow Warblers, Brewer Blackbird, Bullock's Oriole, Meadowlark, Grosbeak, Lazuli Bunting, Linnet, Green-backed, Willow and Lawrence Goldfinch, Spotted & Brown Towhee, Chipping & Song Sparrows. Everything singing 31 of

May 5. Beautiful day. Drove to Boulder Creek via Grizzly Peak, Sunol, Saratoga etc.

Many Lazuli Buntings heard near Grizzly Peak. At Mission Bridge a Long-tailed Chat & Yellowthroat and Tule Wren were singing. Swallows seen and one St. Blue Heron. Several Turkeys Buzzards near the summit. A Barn Owl heard from cottage in evening (last week also).

May 6. Beautiful day - Clear warm. Black-throated Gray Warbler singing constantly. Yellow W. also and occasionally Lutescent & Pileolated. Russet-backed Thrush singing near cottage. Cassin's Warbling Vireo near, Olive-sided Flycatcher within hearing. A great deal of song from the usual species. On the way home heard Chipping Sparrows and Wood Pewees ^{and Ash-throated Flycatcher} and heard Nuttall Sparrows almost up to Grizzly Peak; last week at summit of Fike Ranch Road.

May 9. ~~Chautauque~~ ^{Lake Park} went to Arroyo Mucho
back of Livermore. Overcast, not too hot.
Did not find Phainopepla.

Birds seen there: Killdeer, Sparrow Hawks,
Mourning Doves, Quail, Hummingbird (Amazilia
or Black-chinned? Look small. Not in full
plumage), Flicker, W. Kingbirds (ab. nests in
high branches of sycamore. Oriole's nest near
by. Tried to drive away oriole. Not always suc-
cessful.); Wood Pewee, Black Phoebe,
Ash-Throated Flycatcher, Titmouse, Bush-Tit,
W. Bluebird, Warbling Vireo, Pileolated Warbler
(several together - probably the northern species)
in migration); Yellow Warblers, Meadowlark,
Bremer Blackbirds, Bullock's Oriole (ab), Western
Tanager (one male), Grosbeak (1 pr.), Lazuli
Bunting heard(?), Linnets ab., Eng-Sparrows,
Green-backed and Lawrence Goldfinch,
Spotted and Brown Towhees.

Crossed from Livermore to Sanol (Mission Bridge)
and Calif. Woodpecker, Yellow-billed Magpie on way.
At Mission Bridge we found Longtailed Chat, Yellowthroats,
Also Pied-billed Grebes (3), W. Blue Heron, Anthony Green
Heron, Killdeer, Greater Yellowlegs (two flying and
calling; later one seen in marsh). Turkey Buzzards
Mourning Doves, Quail, Coot, Kingfisher, Willow
Woodpecker, Flicker, Black Phoebe, Cliff and
Violet-green Swallows (ab), Bush-Tit, Red-winged
Blackbirds, Meadowlark, Brewer Blackbirds, Linnets,
Spotted Towhee and many Song Sparrows.

At the Water Temple we added: House Wren,
Cassin Vireo, Crescent-backed Thrush, Robin ^{Shrike nearby} house. 5:20 p.

May 10. Warm. Mrs. Dudley Baird reported the W. Tanager and Chat in her garden.

Pileolated Warblers conspicuous near our house where none have been heard since April 15.

Probably migrants on way to Alaska.

Went to city in afternoon. Many Bonaparte Gulls in pool near Key Route bridge.

May 12, 13. Black-throated Gray Warbler still ab. at Boulder Creek - heard along highway and at college.

May 14. Faculty Section went to Saranap.

Beautiful clear day, breezy cool.

Birds very abundant. Species: Quail,

Hummingbird and nest in rose bush containing 2 eggs.

(Anna?) ^{Californica}; Willow & Nuttall woodpeckers - (Nuttall's courting - crest yellowish red); Black Phoebe, W. Wood Pewee & W. Flycatcher; Cliff Swallows (nests under eaves); Titmouse, Slender-billed Nuthatch (many, family out?), House Wren; Robin,

Warbling Vireo, Yellow Warblers (ab.); Brewer Blackbirds, Bullock's Oriole, Meadowlark, Grosbeak, Lazuli Bunting.

House Finch ^{moves up out of nests} (5 nests: one yg. flown; one downy plumage one with three eggs, one empty, one too high to see)

Green backed Goldfinch (ab.) one nest, mother bird brooding. Nest about 5 ft up in young walnut tree.

Mrs. Haberland pulled the branch within a foot of her face, talking to the bird and it remained on nest.

Spotted Towhee, one Song Sparrow. 2-3 sp.

Mrs. Thompson reported Cedar Waxwings still near her house in N. Berkeley.

May 17. Mrs. Thompson reported family of juncos

May 18. Family of Titmice came into garden. Young jays learning to bathe - Olive-sided

Flycatcher and Grosbeak singing during
Commencement Exercises (Graduate St.)
May 19. Thrasher singing after long silence.
Tanager warbler still singing at end of
Mainway Rd. Commencement.

In afternoon drove to S. F. and down
Skyline Boulevard, then down thro'
Belmont to Mendocino Park where we called
on Mrs. Buck. Dinner at Saratoga Inn
and then to Boulder Creek. Beautiful warm day.

May 20. Birds very abundant, much more so than
last spring. Grosbeak first bird to sing at dawn.
Then Thrush (R-b.) & Warbling Vireo. Yellow
and Black-throated Gray Warblers and Cassin's Vireo
later. A Tanager and Chat sang during
the morning. Wood Peckers very active and
giving unusual high pitched calls as they
flew high from tree to tree. Very warm.

May 21. Crew of workmen came up R. R. track with
derrick to remove tracks and begin removing
bridge. Hot in middle of day. Chickadees
in family group. Saw a female Black-
throated Gray Warbler on ground near back door.
It made no sound but hopped along the ground
advancing slowly toward the shaded spot under
the group of redwoods. It flew into the redwood
but I could not follow it as I had no glasses
on. Later a junco on the ground sang a
very sweet finch-like whisper song as it
hopped along on the ground. A female lutescent
warbler came frequently into the spirea bush
near the electric pole, took worm, flew to house

A young Allen Hummer came to the Sweet William. Olive-sided Flycatcher heard occasionally. Also creepers (family group?), Kingfishers, Chipping Sparrow in addition to ones mentioned yesterday. Also Song Sparrow, Wren-tit, Purple Finch, Towhees. A crested jay was heard twice, also seen; and both Harris & Willow Woodpeckers. Hutton Vireo. Lownberrys arrived about 5:30 p.m.

May 22. High fog until nearly noon. Drove to Santa Cruz in morning. Returned to Berkeley in afternoon. Chilly wind with high fog in Berkeley.

May 24. Rain - $\frac{1}{4}$ in in 24 hrs. More birds singing near house. Tolmie Warbler, Lutescent Warbler, R-b. Thrush (occasionally) and Thrasher (occasionally).

May 25. Cloudy all day.

May 26. Cloudy with some rain.

May 27. Partly cloudy - with showers.

May 28. Drove to Boulder Creek after 3 p.m. Found bridge removal finished.

May 28. R.R. track removed in front of house. Birds very abundant. Heard Purple Martin before dawn, when it seemed absolutely dark. Twenty minutes later first calls of Grosbeak, Thrush, Towhees etc. Black-throated Gray Warbler still singing. James saw Water Angel flying down stream. Family of Bush-tits came into broom. Crested Jay came through occasionally. Cassin Vireo very near house, calling all the morning (but not at dawn).

May 30. Cooler. Clearing wind from N.W.

Lake Tahoe. June 1-8, 1934 29
Mrs. Hamlin's Cottage.

Friday

June 1. Left Berkeley 8:15 a.m. Went to Sacramento via Antioch Bridge and River Route. Cool. There were great numbers of Cliff Swallows about the bridge. No marsh birds seen there. Lunch at Auburn. Stopped near Toole (new road). Heard mt. quail and saw Sierra juncos there. Reached Lake Tahoe at 5:20 p.m. Dinner at Bonino. Cold at night. As we approached cottage, heard yg. birds. Saw mt. Chickadee go to its nest behind bank behind of cottage.

June 2. Partly cloudy. Breeze fresh. Warm sunshine. Settled cottage (Mrs. Hamlin's two miles from Tahoe City.) Saw 34 species during day. Cold night.

June 3. Found seven more species on Mrs. Hamlin's place. Partly cloudy. Breeze fresh. Sunshine warm. mt. quail went to take in dead stump.

June 4. Generally cloudy. Warmer. Added two more species along shore. Rained all afternoon.

June 5. Rained all morning. Took a short drive between showers in afternoon. Picked up a dead Evening Grosbeak on highway near "The Hut." Saw live ones near Tahoe Tavern.

June 6. Rain all day. Young Chickadees still in nest. Saw a Calliope Hummingbird near cottage.

June 7. Found Linnetts building a nest in a young Red Fir at entrance of Sprout's place.

Went with the Hamlins into Nevada. Raining when we left. Drove around north end of lake then on road to Carson along Clear Creek. Turned south toward Minden and stopped to watch birds in the marshy places. Went to Genoa, the oldest town in Nevada, settled by Mormons, - a quaint town just at the base of the mountains. A small stream came down from the canyon above and ran through the town. Large trees and some orchard trees

a great abundance of birds. After lunch we went on to Minden stopping at the only tule marsh we had seen where we found Avocets, Coots, ~~Small~~ ^{Canada} Geese (~~Emulating?~~), Tule Wren, Yellowthroats, Pied-billed Grebes and Marsh Hawks. In ^{edge of} Minden we saw a Ring-necked Pheasant. We drove about Minden which is a very neat, prosperous looking town with good business buildings and brick houses (some of brick) with pretty lawns and gardens. Birds here were especially beautiful. Then we returned northward to Carson City and then by an excellent highway to Reno where we drove through the University grounds and along the river through a beautiful park and then on to Truckee and the lake where we found it still raining though it had been warm and dry in Nevada.

Species seen:

1. Pied-billed Grebes - (2) in tule marsh near Minden
2. Wt. Blue Heron - in marsh north of Minden
3. American Egret, near marsh S. E. of Genoa, one flying over tule marsh near Minden.
4. Black-crowned Night Heron - 8⁺ in a small marshy area north of Minden. One or two elsewhere.
5. ^{Canada} ~~Emulating~~ (?) Geese - 6-8 on edge of tule marsh near Minden
6. Mallard Ducks - three circled above tule marsh " "
7. Cinnamon Teal - 5 pairs seen in different parts of marshy area
8. Pintail Ducks - 6-8, scattered " " " " " "
9. Marsh Hawk - 3 circling at north end of tule marsh
10. Gambel(?) Quail - two males seen - Top of head light brown
11. Ring-necked Pheasant - one on cultivated ranch in edge of Minden
12. ~~Chukar~~ ^{Burrowing} (?) seen by Mr. A. flew low, alighted on fence post
13. Coot - 12⁺ in tule marsh near Minden

14. Killedeer one seen in grassy marsh with small young running about near by.
15. Western Wren. 20±. Most in first marsh visited. (W.?)
16. Quail 12±. Most in or near tule marsh near Minden.
17. Wilson Phalarope - one pair clearly seen in marsh near Genoa.
18. Northern Phalarope - two pairs seen in first marsh.
19. Mourning Dove - two on fence near Genoa.
20. ~~Tree~~ Night Hawks (or Pacific?) flying high over first marsh.
21. Hummingbird - one female (sp.?) at Genoa.
22. Western Kingbird - several seen, usually on fences.
23. Flycatcher - Traill or Gray - on fence near willows - vertical pose - dark gray, light throat. Made no sound. Smaller than wood pewee.
24. Wood Pewee - in pass east side of range.
25. Red-shafted Flicker " " " " " "
26. Western Crow - many - in different parts of marsh.
27. Cliff Swallow - one seen flying - south of Carson.
28. Barn Swallow - a pair near each bridge in marsh.
29. W. House Wren - at Genoa, a pair w. nest in side of old house.
30. W. Marsh Wren - in tule marsh near Minden.
31. W. Robin - several at Genoa - feeding on cherries.
32. Western Bluebird - at Genoa.
33. Cedar Waxwing - a migrating flock at Genoa.
34. W. Warbling Vireo - at Genoa.
35. Yellow Warbler - at Genoa and in marsh.
36. Long-Tailed Chat - heard near Genoa.
37. W. Yellowthroat - in tule marsh near Minden.
- (38. Bobolink (?) - one glimpse of bird as it dropped into marsh growth, looked like bobolink.)
39. Yellow-headed Blackbird - ab. in marshes.

40. Nevada Red-winged Blackbird - ab. in marshes.
 41. W. Meadowlark - ab. in marshes.
 42. Bullock's Oriole - at Genoa.
 43. Brewer Blackbird - ab. in marshes.
 44. Western Tanager - probably migrant - at Genoa.
 45. Black-headed Grosbeak - at Genoa.
 46. Lazuli Bunting - at Genoa.
 47. English Sparrow - at Genoa.
 48. Larks at Genoa.
 49. Green-backed Goldfinch - at Genoa.
 50. Nevada Towhee - heard at Genoa.
 51. Nevada Savannah Sparrow - on grassy margin
 of marsh near road to Genoa.
 52. W. Chipping Sparrow at Genoa.
 53. ~~Brewer~~ ^{N. Savannah} Sparrow - one sat on post near road
 to Genoa and sang its song - light, tinkling.
 54. Song Sparrow (Desert?) in marsh near Genoa.

Friday June 8. Cloudy, showers at night. Warmer.

At noon I heard a strange bird call - tick-tick-between quality of purple finch and hermit thrush.

Found the bird perched in young yellow pine on edge of lake in front of cottage - a male Sierra Crossbill. Coppery red all over. Could see the crossed mandibles ~~thrust~~ ^{held} together.

At 1 p.m. a Cedar Waxwing perched in same tree, stayed quietly about ten minutes, calling occasionally and looking about. A few minutes after he flew I heard

a flock. In afternoon men went down the Truckee river to the point where Squaw Creek empties into it to find an ouzel which used to nest on a large boulder there. Did not find him, but saw Spotted Sandpipers (2) and a

Goshawk - light gray, longtail, broad short wings
 the first I have ever seen. Later we went to
 the Fleinbacher place about 4 miles south
 of Tahoe City where we climbed to the top of
 the precipitous rock near the highway - we
 had a beautiful view of the lake and the snowy
 peaks across to the north and east and south west.
 showing ^{more} snow than before the rains -
 As we came down a Hermit Thrush sang beau-
 tifully - repeating its phrase in several keys -
 Had combination dinner with Mrs. Hamilton -
 The oldest son Bob told us he saw a duck
 on the lake with about ten little ones (^{Am. merganser} Wood Duck).

June 9 - Sat. Started home (Berkeley) at 10 a.m. -
 Warmer, sunnier morning. At Donner Pass saw
 a Sharp-shinned Hawk. Lunch at Bakers near
 Towle. As we reached the valley the weather
 became quite hot. Came via Davis, Dorton,
 Carquinez Bridge. Reached Berkeley 6 p.m. -
 Complete list of birds seen at Tahoe:

1. Gull (sp?) - perhaps California. A few seen.
2. St. Blue Heron - seen twice near Mrs. Hamilton's.
3. Killdeer - heard several times from cottage, also seen.
4. Spotted Sandpiper - several along shore & near island.
5. Sparrow Hawk - seen twice near cottage.
6. Duck - one seen flying below Mrs. Hamilton's - large.
7. Flicker - several.
8. White-headed Woodpecker - several.
9. Olive-sided Flycatcher - ab.
10. W. Wood Pewee - ab.
11. Hammond Flycatcher - seen once, tip of young per
12. Wright " " " in mangroves

Tree Sparrows

13. Violet Green Swallow - Many near piles on shore.
14. Cliff Swallow - Tahoe City.
15. Bluefronted Jay - several pairs seen.
16. Clark's Crow - heard frequently.
17. Mt. Chickadee - ab. Nest on house, under eaves.
behind bark covering of cottage. One family out June 3.
18. Slender-billed Nuthatch - many seen.
19. Red-breasted " - heard frequently.
20. Sierra Creeper - heard frequently, song & call.
21. Ruby-crowned Kinglet - ab. Singing. Usually in red firs.
22. Russet backed Thrush - heard several times
usually in meadows - song & call.
23. Sierra Hermit Thrush - Several heard.
24. Western Robin - ab. Young robins seen June 5.
25. Mt. Bluebird^(ab) - seen at nest hole June 5 - male.
Female carried big bunch shredded bark
(cedar?) into hole, June 5.
26. W. Warbling Vireo - ab. esp. in meadows.
27. Cassin Vireo - a few in open woods.
28. Yellow Warbler most ab. in woods and meadows.
One came under eaves of cottage from yellow pine.
29. Anderson Warbler - scarce first days, abundant
last days. On June 7 two were very active
near the cottage. On June 8 a male was very
busy feeding a tearing female, then mating with it.
30. Pileolated Warbler, ab. in marshy meadows.
31. Tolmie Warbler - several, usually in willows.
32. Calaveras Warbler, one came into tree east of cottage
during rain. Dark gray above, yellow below
light eye-ring.
33. Calliope Hummer - near cottage June 7.
34. Brewer Blackbirds - in meadows.

35. Western Tanager - more ab. each day.
36. Cassin Purple Finches " " " " , mating
Gave continually calls like those used by
Black headed Grosbeak when young are out.
Dawn song first noticed June 8.
- > 37. House Finch - ab. near cottage, often
singing from roof. Building nest near top
of young fir - about 7 feet from ground. June 7 -
Mrs. Naulin said they had noticed flocks
of them for several weeks.
38. Evening Grosbeak - seen near Talise Tavern
June 5 - one crashed on highway near "The Hat"
- > 39. Sierra Crossbill - three came into yellow pine
in front of cottage June 8 about noon. One male
in full plumage.
40. Sierra Fox Sparrow - very ab. in all brushy areas
2 males singing constantly near cottage. Seen
occasionally on the porch.
41. Green-Tailed Towhee - ab. On June 9 came to
pick up shredded wheat crumbs from porch rail.
42. Pine Siskin - heard occasionally, also seen.
43. Sierra Junco - very ab. Young out June 5 -
44. W. Chipping Sparrow - ab. Mating June 3 -
45. Mt. White-crowned Sparrow - in meadows - Not so
abundant as I expected to find them.
46. Modoc(?) Song Sparrow - on island and on Truckee river
47. Mt. Quail - heard frequently.
- > 48. Cedar Waxwing. One settled in yellow pine in front of
cottage June 8, 1 p.m. Stayed alone 8+ minutes.
- > 49. Grosbeak - flew out from pines on Truckee river
where Squaw Creek flows into it - June 8.

Failed to find Hermit Warbler

Sp. Sh. Sh. Hawk seen at Donner Pass near bridge.

June 12. Reached Boulder Creek about 2:30 p.m. Cloudy, cool. Night warm. Black-throated Gray Warbler heard less frequently. Flowers beautiful after two inches of rain - roses, godelias, Clarkia etc. Birds very abundant and still singing freely. Heard Martin in evening.

June 13. Thrush began singing at 4 a.m. A little later Grosbeak, Sp. Towhee, ^{L.Y. B.W. 4} Doves and warblers began when it was quite light - A flock of about 30 Bush tits, many young calls of young birds. Pairs of quail. Cloudy. Berkeley, 5:30 p.m.

Mr. von Neumeyer told me he saw a pair of quail with tiny young near men's Faculty Club 5:30 p.m.
Rain in Berkeley - 5-8 a.m.

June 14, 15. Clear, warmer. Bird Lore report.

June 17. Saw a family of baby quail (3 days old) near home.
18. " " " " 5 " " over a week old.

June 20. Mrs. Parsons brought me a Red-breasted Nuthatch the cat had caught. It was skinned but apparently unharmed. I took it to the Museum and Mr. Sumner banded it. I released it near the redwood tree.

June 21. ^{There} Mrs. P. thought the cat had caught it. Heard faint yank of Red-breasted Nuthatch below house.
June 25. Heavy shower at 1 p.m. Juncos singing near by Berkeley occasionally. Robins left nest on Elm St. (in maple).

June 24. Dr. and Mrs. Dan Thomson saw a flock of pelicans flying southward after rising in a spiral toward the Golden Gate. They saw a flock also a week earlier than this date.

At Boulder Creek I saw a Black-crowned Night Heron settle on the tip of a redwood, remain a few minutes.

Nuttall
Woodpecker
in Berkeley

then take off with labored strokes, flying into the canyon back of the Barker place. Russet-backed Thrush sang constantly, Grosbeaks and Purple Finches, Creepers and juncos occasionally, Warblers very little. Heard W. Tanager once - June 23 in early morning. Heard Black-throated Gray Warbler a few times only.

June 25 - see other page. Nuttall Woodpecker heard.

June 28-29 - Very hot all day - 95° in S. Francisco.

June 30 - Cloudy, cooling, still quite hot. Went to Boulder Creek. It was 106° there yesterday.

July 1. High fog till noon. Warm, beautiful weather.

Russet-backed Thrush feeding young in nest about 12 ft. up on horizontal branch of redwood south of house, east side of clump of redwoods. No sounds from young. Male sings at a distance from nest all day. Female comes very quickly to nest, feeds at frequent intervals. Calls if any disturbance near the nest. Cassin Vireo - calls of young.

July 2. Beautiful weather. Clear all day. Mr. & Mrs. Blanks joined us.

July 3. Visited nurseries in Santa Cruz. Willas Goldfinches near Puddletons. Also Pigeon Guillemot went into cavity in cliff opposite the nursery. Many cormorants, a few Brown Pelicans. No shore birds seen.

July 4. Remained at the cottage all day. Saw a family of Tuxid quail (2 in long) under weeds on river bank. Watched them scratch for food. Heard Black-thr. Gray W. once.

July 5. Returned to Berkeley. Dr. Thomson told me he watched two families of quail on campus - one pretty well grown. The other he judged to be a day old. The parents led the young across the road (8 ft) where they had difficulty getting over the curb. All finally succeeded except one which was left behind. He ran up and down, peeping intermittently but did not get over the curb to join the family. After several minutes the father flew up into a tree to

1934

match but was frightened away by an automobile. The youngsters ran some distance down the road, met three ladies, was picked up by one. They were examining the trees for a nest when Dr. Thomson told them where the family of quail were so they took the youngsters to near enough so he could join the family.

July 6. Chilly, foggy all day. Has been so for several days according to report. Juncos and song sparrows come to coconut shell for seeds. Nuttall Woodpecker heard again.

July 7. Nuttall Woodpecker heard. At dawn Song Sparrow sang frequently. Purple Finch continuously. Sunny from.

July 8. Warm, sunny day. Heard and saw Nuttall Woodpecker in oak east of house. Hutton Vireo in same tree.

July 9. Sunny day. Nuttall Woodpecker still here. A family of very young bush-tits near pool of house.

July 11. Warm but with fresh breeze. Birds still singing. Song Sparrows. Purple Finch. Nuttall Woodpecker heard.

July 12. Strike spreading. No gasoline - Got the last gal. at our usual station. Butchers strike.

July 13. Drove to Boulder Creek to meet Clarence and Mabel Lee. Saw two trucks stopped on highway by strikers. Plenty of gasoline and food at B.C.

July 14. A male Green-backed Goldfinch sings ecstatically from the electric wire near the cottage. Olive-sided Flycatcher. Thrush still singing. Cool 2 m.

July 15. Goldfinch flew within three feet of my head as I stood on porch. Female in ~~nest~~ oak which overhangs porch. Later saw female collecting cobwebs in rose or bellis

She carried it to redwood tree near R.R. returned several times to same spot for more caterpillars. Saw and heard song of Bullock's oriole near cottage. Very seldom found in this valley. Have found it near Glenwood.

July 16. James got 15 gals. of gasoline in addition to tank full also corn, beans, melons, tomatoes, bread & butter and returned to Berkeley. General strike declared. Stopped at Danville where we bought eggs and a box of pears.

July 17. Hutton Vireo, Titmouse, Vigors Wren heard at one time; the vireo and wren singing softly. Call notes of Grosbeak, Thrush, and Mitchell's Woodpecker heard. Warm.

July 18. Cool. Fog came in early p.m. Titmouse sings soft voice. Other birds same as yesterday. Towhees, song sparrows come to box of cornmeal which I put under the porch.

July 19, 20. Chilly with high fog most of the day.

July 21. Drove to Boulder Creek for week end via Dumbarton Bridge. A number of Chalaropes and Sandpipers on the salt ponds and a few Forster Terns - An imm. F. Tern remained on a rock, calling peevishly while two adults flew above him. Almost no gulls visible. ~~Highly numerous~~ ^{at San Juan} and ~~at San Juan~~ ^{at San Juan} The Dingy Macou, returning from San Diego, passed over our heads, flying south toward Sumnerdale.

Later we stopped a few minutes near the mooning mast, hoping to see her tied up but she continued to circle about it in wide circles. In marsh near the highway were several H. Curlew, seven in one group - (a family?) - others in distance.

July 22. Drove on to Carmel stopping a few minutes at Moss Landing where I found four species of Terns - Most ab. were Least Terns, then Forster Terns. One Black Tern (with white on head) was

perches on a sand? spit (or floating wood?) in middle of the lagoon. A large tern on the further side of the lagoon I took to be a Caspian. Where the little stream empties into the lagoon there were a number of shore birds. I could see no curlews plainly and two godwits. Birds with apparently black breasts were probably Black-bellied Plover. On the lagoon was a bunch of Blue Bills, and one Clapper Rail was on the shore.

July 23. Heard an Ash-throated Flycatcher and W. Winter Wren from the cottage, also young Kingfishers calling. Beautiful sunny days, even at Carmel. Rain with the fog (high) at Niles on way home - Were told at Haywards that it had been continuously foggy over the week end.

July 24 - ~~Aug 1~~²⁸. Beautiful weather in Berkeley.

July 29-30, 1934 at Boulder Creek. ~~W. Parker - Bird in Berkeley~~

July 31. Found an im. Spotted Towhee dead on E. porch.

Aug. 1. Vigors Wren singing. Hear call of Grosbeak occasionally.

Aug. 6. Heard R. b. Thrush, Grosbeak, Hutton Vireo, Willow Woodpecker + usual birds near house, Berkeley.

Aug. 10. Mrs. Kimball reported an Audubon Green Heron at her pool on Chabot Rd.

Aug. 12. Boulder Creek. Cool except in middle of day. James and I drove in driving over road through sand hills from Bear Ground to Jayante Canyon. Saw a Poor Will rise from the road as we met another car. A little farther on one remained at the side of the road while we passed. We returned via the same road. Saw a shining spot ahead of us which we found was the reflection of our head light in the eye of the Poor Will. Farther on we found two more, locating them each time by the eye-shine. They seemed to choose to remain in the light, catching moths. Once the bird disappeared under the hood of the car and remained there.

for some time. Another time I remained beside the road while we passed. Once I waited up to within 6 ft. when the bird flew.

Aug. 13. We went out again Poor-Willing. We found none until it was fully dark. Then located three, two on the Japanese side, one near Russell Creek on the San Lorenzo side of the hill. I ^{tried} to approach one with a flash light, with head lights of the car turned off but could not see the eye alone and the bird flew when I was 10 ft. away. We could never see both eyes at once - only one but very large and the color of a glowing coal.

Aug. 14. Returned to Berkeley via Dunbarton Bridge. Tide was very low. In a marsh near Sausalito a few Curlews were seen. As we approached the bridge one Black-bellied Plover was seen (full plumage). We found a Clapper Rail on the highway. It had apparently just been struck by our auto, was lying on its side but trying to slide along. I picked it up and placed it in the shade of the fence in the salicoma. It called in protest as I took it. By grasping the "in" into its beak it pulled itself a little farther than lay gasping. James put it out of its misery and we brought it to the Museum. While I was watching it a flock of fifty or more Willets and Curlews flew over. On the mud banks of the bay proper there were probably a thousand or more birds, $\frac{3}{4}$ of them W. Willets and most of the rest Godwits. A very few Plovers (Bk) were seen. On the salt ponds beyond there were scattered flocks of Chalaropes, probably 600 all told. Only a very few Sandpipers, single birds usually, one flock of five. Several Lt. Blue Herons were seen and as we neared the hills three American Egrets were seen. One remained all the time on a post in the pool nearest the highway and I took two snap shots of him. Part of the time he held his head under his wing. Several Forster Terns were fishing and

Two adult Caspian Terns were resting on the dyke - In the distance about fifty White Pelicans were resting on the water or on a dyke. A few gulls were seen - not more than a dozen. We stopped a few minutes at Lake Merced at 1 p.m. The primed geese were there as usual and twenty or thirty mallards in dull plumage (relapses) also one Bluebill. In the middle of the lake six or eight Ruddy's and a few Pied-billed Grebes (3). A few Glaucous-winged Gulls were minus primaries - probably had not migrated. Aug. 15. Anna & Allen H. numerous in Salschach garden.

Aug. 17. Warm. Heard Nuttall Woodpecker, Stellar Jay near house.

Aug. 18th Heard call of Red breasted Nuthatch - "Yank, yank, yank" from my window. When a flock of bush-tits came into the oak I heard a tapping on the bark which was being made by a Nuttall Woodpecker. A Pileolated Warbler with black cap was seen. ^{Stellar Jay near house.} Drove to Boulder Creek after 4 p.m. At Saratoga Gap at dusk I saw a large owl alight on the Redwood Gateway - looked the size of a Spotted Owl. After a hot day the night was cold.

Aug. 19. A beautiful day, clear with fresh breeze. Heard R-b. Thrush, Cassin's & Hutton Vireos, ^(saw) Kingfisher, Vigors' Wren ^(song). Blue birds over meadows. Returns to Berkeley p.m.

Aug. 20. Berkeley - Fog until 10:30 a.m. Heard Nuttall Woodpecker - As I worked in the garden and Allen Hummer shot by me within two feet of my head. Heard R-b. Thrush, Hutton Vireo. Vigors' Wren sings frequently as it has been doing for two weeks. Stellar Jay near house again.

Aug. 31. Foggy weather much of the time. Stellar Jays heard occasionally near the house. Young quail heard peeping today. Sh. Sh. Hawk seen.

- Sept. 1, 2. Boulder Creek and return - Hot. Heard R. Thrush. Found no
 Poor Will on the sand-hill road
- Sept. 5. ^{Beautiful} A decided increase in bird calls - vireos,
 warblers (Lutescent definitely identified) thrushes
 and songs (Thrasher sang all the morning - Song sp.
 Vigors were occasionally heard.) Temp in early morning ^{high and heard}
 clear and warm. A Western Winter Wren near W. pool.
- Sept. 6. Thrasher singing. Nuttall woodpeckers near house.
 Also Grosbeaks. Warm. No Jay. Bluebirds heard.
- Sept. 7. Thrasher imitated call of Willow Goldfinch
 exactly. A Black-throated Gray Warbler ^{in full plumage} was
 feeding in the oaks east of house for half an hour.
 Beautiful clear weather.
- Sept. 8. Caspian Terns on S. F. Bay. Sept. 10
 Wm. Wilson
 and family at
 Boulder Creek
- Sept. 9. Phalaropes at Mass Landing
- Sept. 13. Nuttall woodpecker still about. Also
 Stellar jays (Berkeley) A Black Phoebe
 gave its three-syllabled call (breeding note)
 continuously.
- Sept. 14, 15 Hot. Heard a Western Flycatcher - first
 time for three weeks or more. Gave "Sue-eet"
 call as well as "pt. pt". Willow woodpecker calling.
 Large flock of quail went through - part of them so
 wild they flew when I appeared at the window.
 Have not been feeding them this summer as
 they have become a nuisance - taking all the
 food in so short a time.
- Sept 15. Hot. No breeze. Trip to Boulder via Los Gatos. Cooler in
 mts. - Juncos numerous near house. Vigors were singing.
 Kingfishers as usual. No winter birds yet.
- Sept. 16. Hughes boiled at Waterman's Gap. Cooler near S. F. Bay.
 Saw three pheasants near Milpitas at Trumble Road.

1935

Sept. 17. Cool, pleasant. Fog early morning. Pt. Fleming - Saw three Clapper Rails, 3 Godwits, 40± Sandpipers, Least and Western; a few ^{Western} ~~Calif.~~ Gulls, most Calif. & Ring billed. Around the Point was a flock of M. Phalaropes, in the waves near shore (30±). A few Killdeer, Land birds: Meadow Larks, 1 Pipit, Song Sparrows, many Savannah Sparrows (singles, no flock), Linnets and one Willow Goldfinch. Clapper Rails were very tame, in sight for 20 min±. One settled down on a bit of concrete at end of Tules and remained as if on a nest for many minutes. In crossing sloughs one ^{rail} seemed to walk in deep water. Another in deeper water seemed to sit on surface and move more swiftly than he moved if walking. (Rain in British Columbia)

Sept. 18. Two Lutescent Warblers seen from east window

Sept. 19. Heard the quaver of a Thrush which sounded like a Varied Thrush, early a.m.

(Saw a Black-headed Grosbeak and warbler (sp?)
(Saw in Winnipeg))

Sept. 20. A flock of Cedar Waxwings near house (heard) at Lake Merritt at 3:15 p.m. There were two to three hundred pintails (in eclipse plumage), 70± mallards and a few baldpates. At Mac. View Cemetery many robins on the lawns. Also 40-50 quail in drain sections.

Sept. 22. First general rain of season. Quite a down-pour at Boulder Creek. Less in valley and bay region.

At Sunol a flock of 20 yellow-billed magpies seen. They alighted on the backs of sheep - sometimes six or seven on one sheep. Seemed to pick something out of the wool. Did not peck at one spot but at different spots. Sheep showed no sign of resentment. At Saratoga Gap a flock of large birds

probably Band-tailed Pigeons was seen (20-30).

Crowbirds singing at Boulder Creek. Along highway Sparrow Hawks and Turkey Buzzards were more conspicuous than usual. No winter visiting birds detected. (Three feet of snow in Sierras)

Sept. 24. Berkeley - Partly cloudy - Air crisp and clear.

Saw a Black-throated Gray Warbler (no black on throat) in oaks east of house. The song of Golden-crowned Sparrow heard. At 11:30 p.m. I heard a Poor-Will calling. I counted the repetitions: at 143 there was a slight slowing down from the clock-like regularity and at 155 it stopped. So I left the window where I was listening and went to bed. Afterward I heard it begin another shorter series, and a little later a ^{third} series.

Sept. 25. James told me the Poor Will was calling for some time before I went to my room last night. This is the first time I have ever heard one in Strawberry Canyon. Clear, crisp. Many Golden-crowned Sparrows singing. Heard a Red-breasted Nuthatch near house. In North Berkeley in the afternoon many Nuttall Sparrows were singing in the colonnades below the School of Religion on Le Conte Ave. Also a few *pygmaea* or Gambel.

Sept. 26. A tanager was near the kitchen window when I came down at 6:45 a.m. Heard the Nuttall Woodpecker again at noon. In Mrs. Blevins' garden there were very many Gambel Sparrows, a few Golden-crowns and many Purple Finches. Flickers numerous. Saw also Mourning Dove, Quail, Calif. Jay.

Anna Hummer, Sparrow and Sharp-shinned & Redtail Hawks
 Black Phoebe, ^{Bush-tits} Western Flycatcher (heard), Robin, Linnets,
 Wren-tits, ^a Vigors Wren. Two or three warblers notes were
 heard but none seen. Thrashers were singing freely - three
 or four - territories distinct according to Mrs. Blake.
 Sept. 27. Went to the Berkeley Country Club with Mrs.
 Leavens. The first bird we found was an Allen
Hummer feeding on tritoma blossoms - (Other birds
 were very abundant: Lark, Killdeer (heard), Flicker,
 Black Phoebe, Horned Lark (100±), Calif. Jay, (Crow?),
 Bush-tit, Thrasher, W. Bluebirds (many), W. Mockingbird (one),
 Pipits (15-20), Audubon Warbler (15-20), Brewer Blackbird,
 Purple Finch, Linnets, G. & Goldfinch, Nuttall and Gambel Sp.,
 G.C. Sparrows, Siskin. In Mrs. Leavens garden I found
 a Hutton Vireo & W. Flycatcher and in my own garden a
Hermit Thrush. Warm, clear. No wind.

Sept. 30. Boulder Creek. Hot, land breeze. 98° at Santa Cruz.
 Hermit Thrush and R-c Kinglet heard. Also W. Flycatcher
 and Pileolated Warbler. Saw no crowned sparrows
 south of Oakland - many on Mt. Diablo.

Oct. 1. Faculty Section went to Concordia Park. Birds very ab-
 undant. 2 species. Winter visitors R-c Kinglet, Aud Warbler (ab.),
 Hermit Thrush, Fox Sparrow, Golden-cr & Gambel Sp.,
 Sh. Sh. Hawk. Summer vis. W. Flycatcher, Lutes-
 cent Warbler, Per. Res. Quail, Anna Hummer, Calif. & Coast Jay,
 Flicker, Robin, Vigors Wren, Wren-tit, Bush-tit, Song Sp., Spotted
 & Brown Towhee, Linnets, Purple Finch, Willow & Gb. Goldfinch
 Black Phoebe. ^{Rocket-billed at dusk at pool.}
 Oct. 5. Fox Sparrow at 37 Morwood. Mrs. Leavens saw Allen H.
 last time at Berkeley Club.

Oct. 9. Hot. No wind.

Oct. 11. Heard Varied Thrushes in distance in ^{6:30} early a.m.

Oct. 12. Cooler, Fog night and morning. Flocks of

Audubon Warblers in the oaks. One Townsend Warbler seen at the pool.

Oct. 13. Still great numbers of Audubon Warblers feeding in oaks and drinking & bathing in pools. Several Townsends seen. Several Hermit Thrushes.

Oct. 14. Some East wind. Fewer birds seen. 2 Hermit Thrushes eating elder berries from same bush near house.

Oct. 15. Cooler. No wind. Foggy in early morning. ^{Heard G-c Kinglet at house} Tachely group walked up Strawberry Canyon. Two Redtails soaring together, 1 Sh-Sh. Hawk, Calif. & Coast jays ab., Quail ab., Black Phoebe (2), Anna Hummers (4), 2 Mourning Doves flew over bldg. at Boulder Farm, Titmouse (3), Wren-tits (6), Vigors Wren (3), Ruby-cr. Kinglets (6), Flicker (8), Thrasher (1), Audubon Warblers (100s), Hermit Thrush (8), Linnets (very few), Purple Finch (10s), Yb. Goldfinch (2), Brown Towhee (4), Spotted Towhee (6+), Golden-crowned Sparrow (many), Fox Sparrow (6), Song Sparrows (6), Junco (2).

Saw a Townsend Warbler from kitchen window.

Oct. 17 Cloudy - light rain at night. $4\frac{1}{2}$ in in Los Angeles.

Oct. 19. Flocks of juncos - in addition to Audubon and Townsend Warblers. Cooler, clear. Fresh snow (5 in) in Yosemite. Oct. 20 Mrs. Reed saw 400 geese in two wedges flying north over Berkeley.

Oct. 21. Rain part of day.

Oct. 22-26. Still many migrants - Gambel & G-c Sparrows, Aud. Warblers, Kinglets (singing), Hermit Thrush etc. Warm Oct 24-26. Oct. 27 2 W. Wrens at Boulder.

Oct. 30. Many flickers about. Varied Thrush calling. B-c Kinglet singing.

Oct 31 - Rain

Nov. 1. Cloudy with some rain.

- Nov. 2. Clear, crisp. Walked through Botanical Gardens - most abundant birds were quail, Anna hummers, Calif. jays, juncos and Crowned Sparrows. Full list: Red-tailed, Sh. Sh. & Cooper's ^{Flcker} ~~Flcker~~ Quail. Black Phoebe (singing), Calif. & Coast jays, Anna H., Vigors Wren. Titmouse Wren. Bush lts. Hutton Vireo. Audubon Warbler, Hermit Thrush. Varied Thrush (heard), R-c Kinglet, Brown & Spotted Towhees. Gambel & G-c Sparrow, Fox and Song Sparrow. Mrs. Mead reported a Crow at the Deaf & Dumb Asylum and Bluebirds and a Mockingbird at Piedmont & Parker.
- Nov. 3. Rain - clearing later.
- Nov. 4. Boulder Creek. Large flock of W. Bluebirds seen (50+). Some Pine Siskins - juncos very abn. Other birds heard: Chickadees, Vigors Wren, Creepers, Hutton Vireo, Hermit Thrush, Golden-cr. Sparrow. Warm.
- Nov. 5. Campus trip with Faculty Section. Spent most of time above College Ave. to Stadium, Bowles Hall, Sh. Theater - then through museum garden to main W. entrance. Birds seen: Redtail & Spotted-brow Hawk. Quail, Flickers, Calif. & Coast jays, Anna Hummer, Black Phoebe (heard) Vigors Wren, Wrentit, Bush lts, Townsend & Aud. Warbler. Red-breasted Nuthatch, W. Robin, Hermit Thrush, Calif. Purple Finch, Linnet, Willow Goldfinch. Gambel, Nuttall, Golden-crowned Sparrow, Br. & Spotted Towhee, Fox Sparrow, Song Sparrow.
- Nov. 9. Drove to Yosemite with Prof. & Mrs. Jaeger of Berlin. Went via Livramento, ~~Marysville~~; spent night at El Portal. Cool, partly cloudy. Had dinner & spent evening at Yosemite Lodge.
- Nov. 10. Finished exploring floor of valley. We drove thro' new Tunnel to Chingachin and Glacier Pt. Lunch at Mt. House. Then to Mariposa Grove & Big Trees & return to Lodge for dinner & evening. Spent night at El Portal. Weather - clear sparkling.

Nov. 11. Drove home via Merces, Los Banos, Pacheco Pass, Hollister, San Juan. Reached Berkeley 6:50 p.m.

Comments on Nov. 9; 10, 11. Autumn foliage bright, chiefly yellows - maples, alders, ash(?), oaks. Sycamore (P. Bay)

Birds seen: Going too steadily to see much.

In Yosemite Valley: Blue-fronted Jay (com.), Willow Woodpecker, Redd. Nuthatch (com.) W. Bluebirds ("feeding on mistletoe berries" - Hamell) also catching insects, darting out from tops of high trees. Red. Warbler heard, Chickadees, Creeper

In higher altitudes: Clarke Crow, B.f. Jays.

Near Mariposa: Juncos, P.C. Knight (singing)

At Mariposa Big Trees = R. B. Nuthatch, Woodpeckers (sp.?).

Merced River toward Breidburg: Brown Towhees.

Low foothills: Horned Larks, Meadow Larks, Calif. Woodpecker, Titmouse, Prairie Falcon - Hawk (large) ^{Blackbirds}

Los Banos: Dry - except one place. Coots numerous.

Pacheco Pass: Yellow-billed Magpie.

Nov. 13. Still warm weather but days short.

River Kinglets - no songs heard. Gambel & G.C.

Sparrows singing. Put up mangrove branch with hollow gounds to hold food. No birds

seen feeding yet. A Varied Thrush just outside kitchen window at 4 a.m. Song note.

Nov. 14. Sprinkling operation.

Nov. 18 Rain - A blue jay has been giving the call of a young bird for ten days. Have seen it fluttering its wings and teasing for food.

Nov. 20. The "Lady Birds" reported many (20+) Clapper Rails at Dumbarton Bridge (at high tide) Also egrets, White Pelicans and Short-eared Owl (50 sp. total)

Nov. 25-30. Wintery weather at last. Snow in the mountains. Winter sports over the Thanksgiving holiday.

Dec. 4. Cold, clear. As I walked down Mosswood Rd. at 7:45 a.m. I heard quere calling and soon a flock of fourteen flew low over my head, flying in a wedge N.E. across the Canyon. At 11 a.m. a large flock of bush tits was seen at the entrance to the canyon. They were accompanied by titmouse, Audubon Warblers and Ruby-crowned Kinglets. Two ^{male} Kinglets came within three feet of me. They were attacking each other with red feathers on the crown standing erect like an opened fan. Three times they came to blows, singing between times.

Dec. 5-10 - Cold, clear. Dec. 9. { Robins, Waxwings, Bluebirds, Hermit Thrushes feeding on madrone berries at Boulder Creek. Juncos, Siskins very abn. }

Dec. 10. Clear. some north wind. Faculty Section

went to Berkeley Country Club. Birds seen:

Killdeer, Calif Jay, Anna Hummer, Meadows Larks, Pipits - very abn. - , W. Bluebird, Aud Warbler, R-C Kinglet, W. Redstart, Sharp-shin (a Cooper), Sparrow Hawk, Flickers, Virgin Wren, Nuttall and Gambel Sparrows, juncos. Song Sparrow. The air was so clear that all birds looked larger than usual.

Dec. 11. Cloudy with some rain

Dec. 15. Clear, warm. No wind.

Dec. 16. Rained most of day.

Dec. 17. Clear, cool. Went to Lake Merritt. Spent most of the time 9:35-10:30 near the Embassadors. Canvasbacks, Bluebills, Ruddies were present in large numbers and a few Golden-eyes (Am.) and

Buffleheads were seen. Many Eared (or Horned Grebes) were seen, also Bonaparte Gulls and a few Cormorants (Far.) We were too late for the feeding at the fresh water pool and only a small number of Pintails and Baldpates were still about. Unless they were hidden on the island I would judge both far below usual numbers. The European Widgeon ♂ was seen near Embark. No Mallards or Shovelers or Teal were seen. Nuttall Sparrows heard singing - seemed not to be in flocks. In order of numbers I would say Canvasbacks were most numerous (500±), Bluebills (400±), Ruddies (300±), Pintails (200±) Baldpates (150±) Bufflehead (30-40), Golden Eggs, (20±) mostly females. Only one goose was seen. Airplanes were demonstrating (Orville Wright Day) and many were flying over the lake most of the time while we were there. In general the ducks seemed to pay no attention to them. These geese (Canada) were flying very near the planes, high above the lake and disappeared toward the south.

- Dec. 20. Started to Los Angeles. Went as far as Boulder Creek where we spent the night. Madrone berries gone. No frost. Wild flowers coming up everywhere, also seeds I planted.
- Dec. 21. Had valves ground on car; left B. at 2 p.m. and drove to Santa Maria, dinner at Paso Robles. Country very green except where fields have been plowed. Stayed at Macey Hotel.
- Dec. 22. Breakfast at Santa Maria Inn. Beautiful flowers in windows and on tables. Drove to L.A., lunch at Ventura. Weather fine. warm.

- Dec. 23. Lunch with the Rivers. Walked along shore. Saw flock of Sanderlings. Also a few Brown Pelicans and Cormorants. Dance party at night.
- Dec. 24. Lunch with Lees at Palos Verdes. Beautiful warm weather.
- Dec. 25. Breakfast with Lees at Palos Verdes, dinner (22 relatives) at Berthas, here at Charles'.
- Dec. 26. Drove to Hemet: lunch at Padua Hills (thrasher, Aud. Warblers,) then to Uplands, Ontario, Corona, Elmore, Temecula, Rader (no longer on map), Sage, Hemet. Green hills everywhere except Rader to Hemet - sage covered sandy hills.
- Dec. 27. Breakfast with Ruth Lester & family in San Jacinto then over "Palms to Pines" Highway to Palm Springs. Colder, cloudy (rain near coast) Lunch at "Claris" then this ^{same} morning's Pass to Riverside, Pomona to Los Angeles. No time for birds, Saw large flock of Horned Larks on grassy field south of Riverside. Rained all night in Los Angeles.
- Dec. 28. Started home. Drove out of rain - Sunny, warm. Lunch at Santa Paula. Drove up Sespe Canyon and back to " " , then over to Ojai Valley. Beautiful view of whole valley from road as it drops down into the valley at east end. On to Ventura then to Santa Maria (7 p.m.) Frost.
- Dec. 29. Breakfast at San Luis Obispo, fog in lower Salinas Valley. Lunch at Salinas (Jeffrey Hotel) cold wind. Stopped a few minutes at Moss Landing to look at birds. Saw one flock Ruddy Ducks (15-20), Mallards (3), Surf Scoters (20±), White-winged Scoters (a few) Golden Eyes (15-20), Eared and Red-billed Grebes (many) Cormorants (many

Kingfishers (2)

fishing). In a large cypress tree at a bend in the lagoon on the east side of the highway bridge were many large birds perched. Those in the lower part of the tree seemed to be Black-crowned Night Herons (one in full plumage) above and silhouetted against the sky were many cormorants, increased by numbers which flew up from the lagoon. May have been a few Gt. Blue Herons also (could not be sure). Counted forty birds and these were increased by those flying up later. North west of the bridge on the tidal flats were ~~many~~^{some} Willets (50±) and Godwits (20±). A man from Santa Cruz who was bringing in his boats told me the ducks had been holding out fairly well. Said he could have got 50 Bluebills that day — they stayed in the lagoon so could be taken more easily than spring or midgeon which go out on the ocean if calm and stay till dark. - Dec. 30. last hunting day for season (Sat. & Sun. for two months).

Ran into rain at Santa Cruz; got stuck in mud near cottage (top of road), got into dense cloud on summit, heavy rain to Saratoga where we spent night.

Dec. 30. Rain all night. Earthquake at 5:55 a.m. Clear on way home and all day.

1935.

Jan 1-9 - Rain much of the time - No frosts.

Total rainfall above normal.

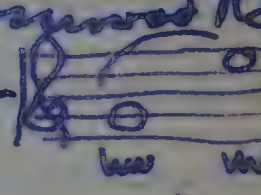
Jan. 10. Went to Dumbarton Bridge. On west side saw 1 female Golden Eye, W. Willets (20+), Clapper Rails (2) (heard others), ^{1 Harlequin Cormorant}. At east end many Western Sandpipers (200+ in scattered groups), Green Grebes (150+ in two groups), White Pelicans (20+), Am. Egrets (30+), Gt. Blue Heron 2, Sparrow Hawk (probably one bird; perched on fence rail, flew as we approached, alighting ahead of us each time.) One or two solitary ducks (scaup?) ^{near} under main bridge in open bay. Clouds over mountains and rain in spots, principally near hills.

Jan. 11. Caught a glimpse of two large birds in the oaks west of the house. Saw one yesterday.

Jan. 12. The two large birds are Band-tailed pigeons.

Jan. 13-17, Pigeons seen several times each day. Rain.

Jan. 19. Clearing after prolonged rains. Drove to Boulder Creek and back. Cold. Wind from N.W. Mt. Hamilton range white with snow. Snow on Los Gatos Santa Cruz Highway ^{on roofs} above Holy City on east side of summit. At ~~Alvarado~~ Saratoga the roadway was covered with snow in many shaded places below the summit on east side. Various Thrushes W. Winter Wren, juncos (ab.), Chickadees, Hermit Thrush, Crowned Sparrows (Gambel? & ?) at Boulder Creek near cottages. 3 1/4 inches rain there so far. Rivers very high. Much overflowed land near Alvarado.

- Jan. 20. In Mrs. Hamilton's garden; Anna Hummer, Robins
Hermit Thrush, Vigors Wren singing, Gambel Sparrows -
Song Sparrow. Cold. Frost night and morning.
- Jan. 21. Frost. Saw a song sparrow go into thick
part of honeysuckle at front entrance. At Durant
and Fulton a Nuttall sparrow sang continuous-
ly as if announcing territory for breeding.
- Jan. 22. Song sp. in honeysuckle again. A Varied
Thrush in top of deciduous trees across Maryland Rd
gave a quaver on two notes - 
Also reverse from high to lower note.
Also single note as usual. Later seen feeding
on ground west of mail box pier. Downy
Woodpecker in same deciduous trees. ^{None} seen
one frequently. Cold. Cloudy.
- Jan. 23. Sudden change in weather - Clear, balmy.
- Jan. 24-26 Warm. - sunny.
- Jan. 26-27. Boulder Creek. Cold, very damp. No frost.
Saw flock of 50-60 Band tailed Pigeons near
summit. Many large flocks of juncos.
- Jan. 29. Rain in evening.
- Jan. 30. Clear. Bird trip in Contra Costa Co. - Oak
Springs - Hutton Vireo, Kinglet, Bushy-tits, Titmouse, Western
Song sp., Fox sp., Redtails, Calif. & Coast Jays, Brown & sp.
Towhees, Varied Thrush, Aud. Warbler, Vigors Wren. Birds ab.
Near Orinda Flickers (16-20), Calif. Woodpeckers (10+), Bluebirds
^{Robins} Aud. Warblers, G.C. Sparrows, juncos - One bill hawk - (Red bellied?)
perched in lower branches of trees, sailed out. Long-broad
wings, tail with several bars, not as long as Sh-sh. Showed
much chestnut when perched. General tone cinnamon brown in
flight. Smaller than Redtail. Titmouse giving spring calls.
San Pablo Reservoir Ring-necked Ducks (80-100) Black on night. H. Coots
Sparrow Hawk. Redtails. Sh-sh.

Feb. 2, 3. Boulder Creek. Balm. Cloudy Sunday a.m.
rain at 11 a.m.

Feb. 4. Cloudy with some rain. ^{Calif Jay - acting like young bird - flicking wings. Collected.}

Feb. 7. Rain. Nuttall and Song Sparrows singing freely.

Feb. 9. Cloudy with a little rain. Drove to Boulder Creek

Taking Mr. & Mrs. Mead. Almonds blooming. ^{Nuttall many flocks}

Feb. 10. Clear, frosty early. Warm sunshine later. ^{many flocks}

Feb. 11. Berkeley. Concordia Park. Birds abundant. Songs;

Varied Thrush, Vigors Wren, ^{R.C. Kinglet} Song Sparrow, Fox Sparrow

Very few Aud. Warblers. many flickers. Calif. & Coast

Jay, Anna and Allen Hummers, R.C. Kinglets, Bush Tits,

Mountain Thrush, Robin, Pine Siskin (flying high), Brown

& Spotted Towhees, Gambel & G.C. Sparrow, juncos.

Cloudy, threatening.

Feb. 12. Spotted Towhees singing dawn song at 6:40 a.m.

Feb. 18. Lady Birds went to Stockton to see cranes.

Left Berkeley at 7:40 a.m.; Clear, balm. - Low fog at Concord. Clear elsewhere. Marsh Creek Road and Borden Highway. Lost time finding road to King Island. As we stopped at the drawbridge a long number of cranes could be seen rising toward the west. They divided into two flocks, one going north east, the other south. We watched the flock going N.E. as they were nearer and we could hear their calls. They rose quite high before forming lines and after a few minutes disappeared in the distance. Possibly 300 in the two flocks.

Other birds seen: Killdeer, Am. Egrets, ~~Costa~~ Marsh Hawks, Sparrow Hawks, Brewer & Red-r. Blackbirds, Shrikes, Meadowlarks, huge flocks of Linnets (alighted on highway), Gambel Sparrows, goldfinches,

Crows, Flatters, And. Warblers.

Burrowing and Short-eared Owls, seen from the Border Highway. King Island and vicinity: very few water birds after the cranes left: - only cots in small numbers. Many ^{all plumages} Marsh Hawks, occasional Sparrow Hawks, a few Turkey Buzzards (Mrs. Kelly reported Kites). 2 Kingfishers, 70 Pheasants, many And. Warblers, flickers, Golden-crowned ^{and Gambel} Sparrows, Black Phoebe, W. Bluebirds, Br. & Red W. Blackbirds, Crows. Country very beautiful: hills green, almonds blossoming, mustard in patches. In valley many low smouldering fires, burning last year's corn stalks: plowing. Weather warm.

Feb. 20 Rain.

Feb. 22. Boulder Creek. Partly cloudy, showers at night.

Feb. 23 " " " Gusty, partly cloudy. Chilly - many flocks of band-tailed pigeons. Took a walk on hill above Mr. Winkelblek's. Pigeons went through the trees, some flew from the ground. Hutton Vireo near Jay Camp, pair of Black Phoebe near Huntington, Varied Thrush near R.R. space. Not many birds about - W.W. Wren heard below Winkelblek's.

Feb. 24. Clear, sunny, crisp. Beautiful day - Pigeons again. Returned to Berkeley via Skyline to San Mateo, then by bridge. Tide coming in, almost high. A few shore birds mainly sandpipers. A few B.B. Plover.

Feb. 27. Cloudy. Not cold. Worked in garden most of day. Lutescent Warbler singing at 9 a.m. Heard several times and seen also. Many Allen Hummers, also Anna's.

Feb. 28 Rain all day.

1935

March 1. Rain.

March 2. Clearing. Cloudy at Boulder Creek. Warm.

March 3. at night. Porch dry in morning. Planted seeds and plants from Mr. Blank's garden. Many Pine Siskins, Chickadees and Bandtailed Pigeons. Heard Creeper calling; also Hutton Vireo. Showers during day.

March 4. ^{Berkeley} Showers. ^{Heard the great warbler again} (Blossard in Sierras. Albany).

March 5. Clear. Heavy frost on dairy buildings across the canyon in early morning. Cloudy later.

March 6. Heavy rain with strong South winds.

March 7. Rain and hail. More snow in Sierras.

March 8. ^{Purple Finch singing} Snow on Tamaulpais, Diablo, Mt. Hamilton.

March 9. Clearing. Heavy frost on dairy buildings. Drove to Boulder Creek. Chilly there, partly cloudy.

March 10. Heavy frost after a cold night. Brilliantly clear.

Warm sunshine. Ate lunch on porch. Many Band-tailed Pigeons. James singing. Planted Anagallis, portulaca, scabiosa, tidytips - Chris. Drove home via Sky-line Blvd. Ocean clear. Crossed San Mateo Bridge. A few W. Grebes and gulls - incoming tide.

When we reached Mosswood Road I heard Purple Finches, Wren tits, Song Sparrows and Golden-crowned Sparrows singing.

March 11. Faculty Section spent morning at Oak Springs. Beautiful spring day. Birds were scarce, possibly due to the activity of a Sh. Sh. Hawk which we saw several times among the trees along the stream. Two Redstarts were soaring; later one Redstart and one Cooper(?) above him and a Sparrow Hawk flew over. Both jays were present and two or more Willow Woodpeckers. Mrs. Thompson found the nest of an Allen

Hummer just above the ground (2 ft.) in a tangle of blackberry vines. The nest contained two eggs and the female returned quickly to the nest when we left. Wren-tits seemed to be shedding bark for a nest.

Lutescent Warblers were singing constantly from definite locations, apparently spaced for nesting. A Hutton Vireo was seen and several Ruby-cr. Kinglets. Also Bush-tits, Vagabond Wren, one Aud. Warbler (heard), a few crowned Sparrows (very shy), Linnets (few) and three Green-backed Goldfinches.

March 12. Warm, sunny. Sun reaches our north porch in the afternoon now. Purple Finch, Ruby-crowned Kinglet and Fox Sparrow singing frequently.

March 13. Warm, sunny. R.C. Kinglet singing most of the morning. Have heard a whistler song from the Spotted Towhee from a thicket of blackberry where they nest each year. Song more varied than the typical song. A pair of Titmouses below house and a pair of Lutescent Warblers east of house.

March 14. Cloudy morning, rain in middle of day; afternoon clear with cold north-west wind.

March 15. Frost this morning on dairy barns. Cold N.W. wind still blowing. Clear.

March 16. Boulder and back. Partly cloudy. Frost in early morning on dairy barns. Warm at noon at the cottage.

March 18. Faculty Section at Cordova. Partly cloudy. Cool. Birds abundant and many songs: Lutescent Warbler, R.C. Kinglet, Nuttall Sparrow (in two locations), Purple Finch, "Tanager" and G.C. Sparrows (flocks), Puget Sound Song Sparrow, Flicker, Hutton Vireo (one). Other birds seen female Allen H. collecting willow down; Brown

1935

and Spotted Towhee, Calif Jay, Bush-tits, Fox Sparrows, Hermit Thrush, Townsend and Audubon Warbler, Junco, G. & Goldfinch and Linnet, Birds heard and identified by call-note: Varied Thrush, Pine Siskin, Robin, Vigors Wren. Total 26 sp.

Afternoon cold, partly cloudy.

March 19. Cold - Partly cloudy. Rain at night.

March 20. Warmer. Rain. Female titmouse industriously gathering bark of spiraea and carrying it into nesting box ^{about 9 a.m.} ^{entrance.} Keeping the hole free from cobweb seems to have helped to attract the birds back to their former nesting site. Hermit Thrush eating pomegranate seeds. Spotted Towhee tried to scratch the " seeds out.

March 21 Rain. Titmouse near box about 8 a.m. Away ^{most of day.}

March 22 Rain - very heavy in evening

March 23. Charter Day - clearing.

March 24. Clear - cold.

March 25 - Cloudy - warmer. Titmouse near box more frequently during day. Rain in evening.

March 26. Clear. Cold.

March 27. Warm spring day - Spent morning in Commodore Park; also walked up Rose St. to old quarry. Except for crowned Sparrows birds were not very abundant. Birds singing: G. & Gambel or Pugetensis (both?) and Nuttall Sparrows. Song Sparrow, R. & C. Kinglet, Titmouse, Lutescent Warbler and (below quarry) Ciliated Warbler. Very few Aud. Warblers. Several Flickers, Allen & Anna Hummers, Quail (2 flocks). Towhees (Sp. & Br.) Pine Siskin.

March 28-31 - Vacation.

March 28. Drove up to Clear Lake via St. Helena, Middleton, Lower Lake. Masses of wild flowers, especially *Renoum* and Cream Cups. Deciduous trees still bare. After leaving Lower Lake we could see many white birds on the lake as drove to the shore (Garner's Resort) where we stayed for lunch. The birds proved to be White Pelicans and Gulls. Western Grebes were numerous out on the lake and were calling constantly. Violet-green Swallows were numerous and were flying to and from holes in the oaks but none entered the holes so far as I could tell. Lewis Woodpeckers were also numerous. They alighted frequently on the top branches of the oaks and darted out to catch insects. A pair of Killdeer called anxiously from a spit just off shore. A Black Phoebe, a Robin, a Nuttall Woodpecker (heard) and many Meadowlarks and Brewers and Redwinged Blackbirds and one Hummingbird (sp.?) were seen during lunch - the only real stop during the day. We drove on to Austin's & The Log Cabin then to the main road east of the lake to Upper Lake. The water was very high; much land overflowed. At one place many Carp were floundering about in the overflow and a boy was spearing them - Said he fed them to the chickens. Birds were frequently seen on the water but the light was bad. Some were coots, eared Grebes and Ducks (Ruddy?). We drove out over the Hopland road. From the summit the whole country to the east was mountains except the lake. Two mts to the N.E. were covered with snow and there was some snow on Cobb Mt. & on Mt. St. Helena. The only trees seen on the way to the summit were a few small pines with no leaves but with cones (Knob Cones?). From the summit to Hopland there were many trees and much pale blue *Ceanothus* in bloom. Very few wild flowers after lunch except *Yucca* trees budded near the lake shore. Perfect weather; clear, warm. Dinner at Santa Rosa. Home 10 p.m.

Clear Lake Mar. 29, 1935.

Full list of birds seen; Western Grebe (ab) on lake, calling, bowing.
 Rare Grebe on Lake, a few, scattered; White Pelicans (3 or 4)
 massed near Lower Lake; At Blue Heron (1); Ducks a few (Ruddy
 Turkey Buzzards, numerous everywhere in the mountains
 Red tail Hawk (1); Coot many on lake (scattered); Killdeer
 two near lunch place; Gulls ab. (Calif or Ring b?);
 Red-winged Blackbird (ab.), Meadowlark ab. in full song;
 Brewer Blackbird (ab.); Linnet ab., Goldfinch (Gt.);
 Spotted Towhee, Brown Towhee, juncos (sp?), Gambel Sparrow
 (heard or seen occasionally, not very ab.), Song Sparrow
 Hummingbird (2 sp?), Calif Woodpecker, Nuttall woodpeck.
 Lewis Woodpecker, Flicker (ab. all along the way),
 Black Phoebe, Say Phoebe (Mrs. Thompson), Violet-green Swallow
 (not generally distributed), Calif. Jay, Raven (?), one
 flying over near Middleton. Crow ab. all along the way;
 Titmouse, Bush W., House W. (summit) Robin, W. Bluebird
 36 sp.

March 30 Berkeley until 4 p m. Purple Finches singing. Heard
 W. Flycatcher near House (first time); Beautiful weather.
 At 4 p m. started to Palo Alto via Dumb Bridge - no stops.
 Lesser Scaup, Cliff Swallows (a few) one company of shore
 birds. Punctured tires - At Berkeley Flicker calling all day near
 March 31. Cloudy, cool. Boulder Creek. Heard Int. Warbler
 and W. Flycatcher.

April 1. Big Basin. Varied Thrasher ab., also Steller Jay,
 Calif. Woodpecker, Kingfisher, Creeper, juncos

April 1. Berkeley. Cloudy, cool. W. Flycatcher heard again.
 Townsend Warbler singing. Lutescent Warbler chased
 him off. Rain at night.

April 2. Rain. Warm.

- April 3. Gentle rain last night. Warm. A burst of song — beginning at 6:15 a.m. with Purple Finches, Wren Tit & Song Sparrow. After breakfast Titmouse, Fox Sparrow, Townsend Warblers (several), Lutescent Warbler, Pileolated Warbler (first one seen near house), W. Flycatcher, House Wren (below house), R-c Kinglet — all singing. Meadowlarks across canyon. Thrashers seem not to be near the house this year. Perhaps because their nests are disturbed by Argentine ants? New leaves on oak trees about half size.
- April 4. Rain part of day. Spring flower show (Clapland) Townsend Warblers singing.
- April 5. Rain at night. Heavy shower 6 a.m. — Heard Hermit Thrush singing. House Wren again. Titmouse ^{feeding male in high}
- April 6. Rain last night and raining today. Heard Hermit Thrush singing. Song Sparrow sang at 4:30 a.m. (dark) and again at 5 a.m. when Lutescent Warbler & Spotted Towhee began. Went to Boulder Creek via Los Gatos, Mt. Hamilton. Wild flowers just beginning except buttercups, mustard and cream cups — Pale blue ceanothus in full bloom. Rained all night. Weeded petunia bed. ^{Pl. W. Flycatcher}
- April 7. Rained hard most of morning. Planted petunias. River very high, the highest we have ever seen it. Probably by night it reached the high water mark of the season.
- April 8. Faculty Bird Trip on lower campus. Showers, N.W. wind, sunshine, cold. A great contrast to the second Monday of April, 1934. Rains have been so continuous that birds have not had a chance to move northward. Summer visitors: W. Flycatcher, two near Faculty Club. Allen Hamilton

a nest in ivy on Chemistry Bldg., and possibly one Rufous Hummer near Stevens Union. Songs heard: Song Sparrow (4 or 5); Purple Finch, Titmouse, W. Flycatcher, Nuttall Sparrow. Other birds seen: Quail, Anna Hummer (2), Calif. Jay (2), Robin, Hermit Thrush, Brown & Spotted Towhee, Pine Siskin.

At 8:30 a.m. at home I was surprised to hear the ✓ call of a Bullock's oriole. It remained perhaps five minutes in the oaks east of the house, calling and singing. Pileolated Warblers were singing also.

April 9. Went with the "Earthworms" to visit some gardens in San Francisco. Clear, crisp, sunny. Light frost in the early morning on the dairy bldgs. across the canyon. Pileolated Warbler singing constantly near my window. From the Berkeley Pier we saw Bonaparte Gulls (30+), Farallone Cormorants, W. Grebes, Lared Grebes (some in full plumage), White-winged and Surf Scoters, Pacific Loon. In Miss Allyn's garden on Gough St. & Green St. there were Chickadees, Linnets, an Aud. Warbler and Anna Hummingbird. Lunch in Jap. Tea Garden, G.G. Park. Nuttall Sparrows seem to have disappeared from the garden; Eng. Sparrows abundant. Anna & Allen Hummers common. On Storn Lake Ruddy Ducks were in full plumage and a Redhead was seen; also a few Snow Geese. At 2 p.m. we visited the garden of Mrs. Jenkins near the old Sutor garden - a rock garden planted to succulents. Saw there Anna Hummingbird, Black Phoebe; heard Linnets, Nuttall and Song Sparrow.

April 10. Partly cloudy, mild. Several winter visitors singing: Hermit Thrush, Fox Sparrow, G.C. Sparrow. Per. Res. Song Sparrows, Purple Finch, Titmouse; Sem. Vis. Lutescent Warbler, Western Flycatcher, House Wren. Titmouse feeding his mate in the box. Gardening: planting succulents from Mrs. Jenkins's garden; fuchsias raised from cuttings from Mrs. Sproules and Mrs. Russ's gardens; building up wall above Vancouveria where it was washed down by the heavy rains.

Th. Apr. 11. Warmer. Worked in garden.

Fr. Apr. 12. Bird trip to Ross (Lady Birds). Caught 8:30 ferry from Richmond. Heard Grosbeak from my window in Berkeley. Partly cloudy, mild. Via Greenbrae to Ross. Stopped near Greenbrae; at Ross Station. Went to Phoenix Lake. Returned to Mrs. Canteloni's for lunch. Returned same route - Tide out. Caught 4 pm ferry at San Quentin Pt. At Ross Station a lady who left the train there told us her father was Charles (A?) Allen of Nicaragua for whom Allen's Hummingbird was named. Birds seen:

Western Gull - numerous on bay. Pied-bill on Phoenix Lake. Farallone Cormorant.

Black-crowned Night Heron - male & female in marsh near Greenbrae - Red eyes ^(both sexes), egrette on male, Lt. Blue Heron. Canvasbacks (?) small flock flying over bay. Bluebills on Phoenix Lake.

Sparrow Hawk (2 near Greenbrae), Buzzard (Ross), Kildeer, Black-bellied Plover (20 ±) San Rafael Bay. Curlew also. W. & Bonaparte Gulls. Anna & Allen Hummingbirds. Willow Woodpecker, Calif. Woodpecker. W. Flycatcher. Violet green Swallow (Greenbrae), Bank.

Ross, April 12, 1935

Crow, Cuckoo-jay (1), Titmouse (Greenbosc), Chickadee (Ross)
 Bush-tits, Robin (1 at Mrs. Canteloni's) W. Bluebird (Greenbosc)
 Cedar Waxwings (Greenbosc), Warbling Vireo, Lutes-
 cent warbler (gen. dis.), Pileolated Warbler, Summer
 Warbler (Ross Sta.), Aud. Warbler (1), Myrtle W. (1),
Black-thr. Gray W. above Phoenix Lake, Meadow Lark
 Brewer and Red-w. Blackbirds, Ing. Sp., Bl. Grosbeak, Co.
 Linnet (com). Purple Finch, Gt. Goldfinch, Brown & Lf.
 Towhee, G.C. Sparrow, Lark Sparrow (singing above Ph. Lake)
 Samuels Song Sp. (Salt marsh), Marine Song Sp. Pine
 Siskin, Junco Total 51 sp.

Apr 13 Rain. Black-throated Gray warbler at Boulder Creek.

April 14. Rain. Berkeley. Dwarf Hermit Thrush seen.

Apr. 15. Terrific downpour 8 a.m.

April 16. Clearing. Bush-tit gathering bits of bark for nest.

April 17 Clear, warm. Heard W. Gnatcatcher on hillside
 in Strawberry Canyon. Aud. Warbler singing.
 Hermit Thrush calling.

April 18-19. Warm. Many birds eating worms on oak trees,
 especially Purple Finches, singing constantly. One
 singing a whisper song more the three repeated call
 of the quail into the continuous song. Golden-crowned Sparrow
 singing. Miss Gladding showed me the nest of Hutton Vireo - ^{found} nest of Titmouse. Young Song Sparrows out of nest.

April 20 Went to Boulder Creek via Walnut Creek. Wind, lots of flowers.
 Carpets of wild flowers. Madrone trees white with bloom.
 At Mission Bridge a few W. Sandpeeps and Killdeer, yellow
 throat singing. Black-headed Grosbeak calling.

April 21. Found nest of Water Thrush (which we replaced on the boulder
 last fall) minus its bottom. Olive-sided Flycatcher and
 Cassin Vireo heard. Black-throated Gray warbler heard also
 from Mr. Winkubler's where I heard it last time (Apr. 13).

April 22. Faculty Bird Section walked up Strawberry Canyon along stream to upper Titens road then back to a new trail which drops down to level of mosswood. Cool, partly cloudy. Heard 27 species - Saw Toluine warbler in elderberry inside swimming pool fence; it remained on one perch just below the highest crown of the tree and sang repeatedly. Found a Titmouse nest in a hole in an oak tree north of the pool near the east end. No Warbling Vireos heard; no House Wren, no Yellow Warbler. Many Golden-crowned Sparrows. In one flock only one typical song was heard. Almost all sang. Audubon warblers were feeding in the oaks and singing. Full list: Redtail (heard), Quail, Cal & Coast jays, W. Flycatcher, ^{Cedar waxwings - small flock} Flicker, Allen Hummer, Vigors Wren, Grunt, Titmouse, Bush tit, Robin, Lutescent Warbler (ab.), Pileolated W., Toluine W., Ind. W. Linnet, Purple Finch, Brown Towhee (singing), Spotted Towhee, Green Goldfinch, Junco, Song Sparrow, ^(W) Yellow Vireo, Grosbeak, Pine Siskin, Golden-cr. sp.

April 23. Yellow Warblers in the oaks near our house. ^{and heard} ^{again} singing near dairy.

April 24! Saw several Hermit Warblers in the oaks.

Full plumage. black Throat, yellow head. 2y. Bunting
April 25. 2 birds migrating - 2 flocks about 5-6:00 p.m.

April 26. Warner. Hermit Warblers again. Russet backed Thrush at dawn (whistle). Went with Lady Birds to Leona Heights and Redwood Canyon. Climbed up to the quarry (glory hole) abandoned to see White-Throated Swifts. About 25 seen at one time, flying about outside the quarry, entering and going to crevices where they were apparently feeding young. Very swift flight. Calls clear, sharp, repeated staccato notes. Many flowers on hillside: lupine, mallow, poppy, white calochortis, owl's clover etc. Lazuli Bunting abundant. Lunched at picnic ground then returned to Joaquin Miller road and on to Redwood Canyon. Stopped at Miss Graham's Riding School where we found Laz. B., House Wren

- (nest in orchard stub), Chipping Sparrow, Grosbeak, Linnet etc
 In Redwood Canyon Lutescent & Pil. Warblers, Vig. & House Wren.
 Returned via Maragua and Oak Springs. Heard only one
 yellow warbler along the way - only one Warbling Vireo.
 April 27. Stopped at Dumbarton Bridge on way to Boulder Cr.
 Many Sandpipers of all three species in full plumage and
 all calling. Godwits, Curlews, Willets and Knots seen.
 The knots were probing rapidly in the shallow water in a
 loose flock (10-12).
 April 28. At the Feltton Big Trees: Calif. woodpecker, Coast Jay.
 Tawny Creeper (singing), W. Winter Wren (singing),
 W. Flycatcher, and on the edge Grosbeak and
 Black-thr. Gray Warbler. Rain in Berkeley at night.
 April 29. Cloudy. Cool. Can hear calls of young titmouses in box.
 April 30. Cloudy. Cool. Transplanting in garden. Thrasher singing.
 May 1. Cloudy. Chilly. " " " Thrasher singing
 near by. Pine Siskins conspicuous. Robins picking
 up quabs in garden - Very tame. Oak worms
 decreasing. Very few droppings now. Heard
 call of Tanager. Purple Finches still singing.
 Titmouse calls constantly near box as if trying
 to entice young to fly.
 May 3. Warm. East wind. Went to Boulder Creek via
 T.F. & Skyline Blvd. U.S. fleet (18 vessels)
 was sailing out through the gate. Had
 lunch at Cliff House. James saw a Pigeon Guillemot
 enter a cleft in the rock joined to shore
 by masonry. Many Sea Lions, very noisy. A
 large mass of them in the water with tails in the
 air - very crowded. Searched for white Oceanottus
 for Mr. Jepson in Love Creek canyon and above Ben
 Lomond. No Poor Willies along Sand Hill road in evening.
 Heard wood Pewee. R. Thrush singing.

- May 4. Bought last piece owned by Anthons on our side of river. Went to Santa Cruz to complete transfer. Returned through Sand Hills. Many birds along Gyaute Creek above Mt. Hermon. No white ceanothus. Walked up Marosky Creek and found none.
- May 5. Worked in garden. Ceanothus, lupine, broom, in full bloom. Roses and Pink Locust beginning. Very warm. Returned to Berkeley p.m. Wood Pines above Saratoga. Very warm.
- May 6. Fog in Berkeley after three days of quite hot weather with east wind. Watered garden. Wrens have disappeared from oak trees - no droppings.
- May 7. Left at 1:30 p.m. for Emeryville where we spent the night. Chilly, high fog.
- May 8. Drove to Pt Reyes, ^{Light House} then back to Berkeley - Birds seen or heard!
- Pacific Loons - a few migrating past the point
- W. Grebe - one on S.F. Bay -
- Brown Pelican - one at Pt Reyes - (?)
- Bald Cormorants - many at Pt. Reyes - white feathers on flanks show even when wings are folded - ^{Red from water} to cliffs -
- Brandt Cormorants - many - beginning nests on rock just off shore, next to Munro Rock -
- Blue Heron - several in marshes
- Anthony Green Heron - one flew from a small stream in Olema marsh - bill and feet reddish orange.
- Night Herons - 6-8 near Emeryville
- Song Sparrows - a few at Pt Reyes - full plumage
- Turkey Vultures - 12+ seen
- Redtail Hawk - 8+ - one mobbed by Crow over Tomales Bay
- Marsh Hawk - several - one full plumage -
- Sparrow Hawk - 2 -

Shrike - 2; W. Vireo quite ab., Lutescent, Yellow, Pileolated
Warblers ab. Yellowthroat in Ukouka marsh -
Redwings on road to Pt. Reyes exp. (~~was~~ ~~and~~
~~reported~~ Bicolored).

Meadowlarks, Brewers Blackbirds, Eng. Sparrows,
Black-headed Grosbeaks, Lazuli Buntings, Purple
Finches, Larks, Willow Goldfinch (~~Eng.~~ ^{Eng.} & P.H.P.-
Green-backed Goldfinch, Pine Siskin, Brown Towhees
(not ab.), Spotted Towhees, - all ab. in suitable Terr.
Savannah Sp. on road b. Ft. Reyes (Figueroa & Sanders)
Juncos (mead), Chipping Sparrow (Lagunitas),
Nuttall Sparrow (near coast), - at Ft. Reyes sings
like pugetensis. Song Sparrows (San. &
Marine)
78 species.

Nineteen species seen Apr. 11, 1934 were not seen this time (many of them at Seal Pt.); many summer residents seen this time not seen in '34.

May 9 Chilly. Young titmouse quite noisy.

May 10. Talmie Warbler singing near house.

May 11. Went to Boulder via Dumbarton Bridge.

Immense N. Phalaropes and Sandpipers,
latter on road bed - Heard Pt. Thrush in marsh
nearby.

May 12. Boulder Creek - High fog until about 10:30
Then clearer. Heard tanager.

May 13. Faculty Section went to Saranap & Alams.

Fog all day in Berkeley. Cool breeze, warm sun in Contra Costa. Soon after we left the Walnut Creek Road we found a W. Mockingbird, singing, in the top of a large live oak in a garden. Sang all his variations. At Tarapur we found no Sayuli Buntings or Orioles. Larks were too abundant. The people who sell honey have put up ^{hundreds} of hives

all made with entrances at the bottom - some compartment boxes. A house wren seemed to be using one of the larger ones - and they were told that bluebirds and linnet were using some of them. We found a Warbling Vireo's nest in a buck-eye tree which overhangs the picnic table. It was at the end of low hanging branches, perhaps 7 ft. from the ground. We could see the female sitting and the male was singing nearby. After some minutes he took her place on the nest and sang at intervals during the fifteen minutes he remained on the nest. He apparently turned the eggs before settling himself and she did the same when she returned. A Brown Towhee's nest on the ground at the top of the bank above the creek contained four well feathered young. We saw a Brewer Blackbird chasing a Sparrow Hawk and striking at it. I heard one Ash-throated Flycatcher. We were told the spring had been so cold the bees had made no honey (29) and 58 colonies had starved. After lunch we went on to Alamo bridge where we found both Say. Bunting and Chisler. Also Lutescent Warbler, P-b. Thrush and Pileolated Warbler which we had not found at Saranap. No Lawrence Goldfinches at either place - nor phalaropes. Cliff Swallows ab. all along the way. 32 species seen.

In Berkeley I heard no calls from the young tits in the box. The pair came for sunflower seeds, the female twittering and fluttering her wings. Copulations.

May 16 Went to Boulder Creek to get some Curlew. Arrived about 8 p.m. At Drumbarter Bridge still many hundreds of Phalaropes and some Sandpipers.

- May 15. Overcast part of morning - warm. Walked up Harmony Hill in search of *Ceanothus integrifolius typica*. Found none. Heard W. Winter Wren and Monterey Hermit Thrush singing. In afternoon drove up Bonny Doon Road from Ben Lomond about $2\frac{1}{2}$ mi then walked to top of mountain. Found the *Ceanothus* i. t. - a few along the road and a small colony at the top of the mountain. Heard two Hermit Thrushes at once - near the top. Many Band-Tailed Pigeons - several hundred - in large scattered flock flying out from the summit. Two Red-Tailed Hawks on summit; also Harris Woodpecker, House Wren, Volcanic Warbler, Sp. Towhee. Also Black & Gray Warbler and Anna Hummer below the summit. W. Vireos most common along way.
- May 16. Found we could drive up Ben Lomond Mt. more easily from Felton so went up again to get seeds of Bush Poppy, Iris (many colors) *Erythronium*. Took only $1\frac{1}{2}$ hrs. Many Band-Tailed Pigeons. Drove to Berkeley p.m. Still cold in Berkeley. Saw mockingbird at Viles nursery.
- May 17. During Commencement Ex. in U.C. Theater a House Wren & Purple Finch were singing. A flock of Cedar Waxwings came into Enc. birds at top.
Warmer
- May 18. Warm.
- May 19. Quite hot. Titmice come frequently for sunflower seeds - Have not seen the young birds.
- May 20. Hot. Gardening.
- May 21. Sick with a cold.
- May 22. Went to Boulder Creek to get agaves

and huckleberry for decorations for Annual Meeting of C. O. C. In evening found Poor Will on Sand Hill Rd. but below the summit on the San Lorens Side - Very shy. This across must shield once - Light struck eye as we came around curve. Bird flew instantly. Saw a Great Horned Owl perched at top of a lone tree on top of ridge at dusk. Silhouetted against sky. At Drumbarlon Bridge a number of Caspian Terns and a few hundred N. Phalaropes. Cooler.

May 23. Cool. Chilly in Berkeley.

May 24, 25. Annual meeting of C. O. C. Chilly.

May 26. Warmer.

May 27. Left at 3 p.m. for Tahoe. Took river route via Antioch Bridge. Principal birds: Brewer and Red-winged Black birds, Crow, Horned Larks. Spent night at Colfax.

May 28. Only bird heard at dawn was Robin. Just before we left Colfax a flock of 3,400 sheep were driven through on way to Truckee. Followed a baker's wagon thro' the flock. Drove slowly and stopped often. Beautiful day. Reached Rainbow Tavern at 10:30 a.m. (near Cisco) and remained for lunch. Found nest of water ouzel on supports of bridge. Saw ouzel once. Reached cottage at 4 p.m. Dinner with Mrs. Hamlen. Birds seen or heard on way:

Colfax to 3000 ft elevation: Robin, Cassin Vireo, Black-throated Gray Warbler (or Hermit?), Chipping Sparrow, Yellow W., W. Tanager, Wood Pewee, Grosbeak.

3000 ft. to Baxter's: Warbling Vireo, Hermit W. Mourning Dove.

Baxter's: Junco, Fox Sparrow (Osgood), Silver Thr. Deer Brush (?).

Fountain: Flicker, Horrocks, Fox Sparrow, Tule Wren, Aud. W.,
 Chickadee, Hammond Flycatcher (heard), Wright's Flycatcher,
 Olive-sided Flycatcher (heard), Green-tailed Towhee (? heard).

5000 ft. opposite Blue Canyon - Much white camothus and
 pink manganita.

Lake: Mt. Ennis. (Wild Cherry in bloom).

Emergent Gap: Snow in drifts on N. slopes - Red-b. Nuthatch

Oaks just coming into leaf. First snow near road.
 Yuba Pass: Sierra Creeper (song higher pitched than Tommy)

Many bee hives on brushy slopes - Willows bare. Wild currant
 in bloom - very deep pink. Aspens coming into leaf. Blue fr. Jay

Big Bend: Cassin Purple Finch. (Tamarack Pines)

Rainbow Tavern: Water Buzzard and nest on bridge supports.

Summit: Ice on lake just breaking up. Pil. Warbler

Donner Lake - a flock of Vg. Swallows. Snow only on N. slopes

Lake Tahoe - Almost no snow except on peaks.

May 29. Rain mixed with snow. Cliff Swallows at Tahoe City
 Mt. Bluebirds (pr.) at same stump where they nested last
 year. First bird at dawn ^{3:45} Vg. Swallows; - then Robin &
 Mt. Bluebird then at 4 a.m. Fox Sparrow.

Snow flurries then sunshine all day. Not cold.

At noon a mt. white-crowned Sparrow, a Fox Sparrow
 and a Green-tailed Towhee came for crumbs. White-crown
 is very pale grey on hind neck & shoulders, sharply con-
 trasted black & white on head, yellowish brown bill. Shaved

interest in a bunch of nesting material in manganita bush but took
 none so far as I could see. Added to yesterday's list: ^{Colaptes auratus} Red-b. King,

Song Sparrow, Pine Siskin. During a snow storm a Yellow Warbler took a worm
 from underside of fir branch. Later saw three yellow warblers in contact

Mr. Tyler (at Grocery Store) has a mounted Gt. Horned Owl with a
 flicker in his talons. He says the owl struck the flicker, then struck

a wire and broke his neck. Strangely the flicker is an eastern type -
 White-crowned Sparrow song heard in evening.

May 30. Everything decorated with white this a.m. and still snowing but most of it melts as soon as it touches the ground. Fox Sparrow, Green-tailed Towhee and Mt. White-crowned Sparrow came to porch nesting for bread crumbs. No rain during afternoon. All snow melted. Went to see Ducks on the rocks at east end of Hamilton place - Found two pairs of Am. Mergansers. Found Wright Flycatcher near Hamilton Gate and Toluia Warbler in march. At 8 p.m. as we drove in to the Hamilton we heard a Poor Will calling close by.

May 31. Almost entirely clear. Beautiful reflections of the mountains in the calm water. A few Cedar Waxwings in the Pines in front of the cottage. Seemed very quiet as if resting after a long flight. Once in a long while one would dart out and catch an insect or drop to the ground under a margarita. At 1 p.m. four birds flew out but one was seen in the same tree at 5:30 p.m. Drove to the Fletcher place in afternoon. Found Hermit Thrush singing near Rubicon Pt. and a Lincoln Sparrow near the Tavern. Two Poor Wills calling near Hamilton in evening.

June 1. Drove to Carson City ^{Trail Flycatcher in willows} then to Genoa where we landed them a few miles south of Minden. Stopped half an hour in the sage on the hillside below the junction of Clear Creek road & Carson Rd. road where many Brewer Sparrows were singing. Returned to Glenbrook for dinner. Saw or heard 56 species two new to me: The Sage Thrasher and Brewer Sparrow. The Sage Thrasher flew from the fence as we drove by, it showed white spots in the tail so I stopped to look at it. It had nest or young in sage nest to fence. At least it left a bug there and returned several times to the spot. We could not find a nest.

The Brewer Sparrows were singing a canary-like song of very light quality. It was very hard to see them as they would drop to the ground and run along. I finally saw one in excellent light near by. The tail looked long and very slender; the bird very small, not much larger than a chickadee, plain light color below, streaked above, light streak above and below eye. Much less water in swampy area than last year and none flowing through Geneva. One lake swamp nearest Minden had most water and there we found Avocets (2 pr.), Canada Geese (goslings), Mallards, Cinnamon Teal, Pintails, Forster's Tern, Killdeer, Yellow-throat and Marsh Wren. In two places large flocks of gulls were seen (Calif?) which rose and circled as they do when they migrate. Several pairs of Cin. Teal were found in other places. No Phalaropes or Willets this year. At Glenbrook there were many limnets. As this used to be a large ranch after the lumbering period, limnets may have been established there for many years.

June 2. Quiet day at cottage. Cedar waxwings again - not a flock.

In late afternoon climbed the cliff opp. the Fleinbacher place. Heard the Hermit Thrush as usual. Also Mt. Quail which seemed to answer James' call. ^{Lincoln Sparrow near Tavern} A Saw a Slender-billed Nuthatch near the ^{College}.

June 3. Returned to sage brush area at bottom of the grade below Carson City. Found nests of Magpie, Nevada Sage Sparrow and Sage Thrasher. Young magpies were outside of the nest but not flying yet. Three young birds in Sage Sparrow's nest. Five eggs in Sage Thrasher's nest - eggs dark greenish blue with brown spots - very beautiful. Heard Thrasher songs - more modulated than Calif. Thrasher, more musical. Brewer Sparrows singing everywhere - many like trained canaries - Lunched in Aspen grove on the grade - A ^{Rb} Sapsucker was drilling a hole in a live aspen about five ft from ground. Almost exactly opposite on the other side of the trunk a House Wren was nesting in an old hole. They seemed to be feeding

1935-

young. Several times we saw the Gopher attack the man and drive it from its entrance hole. The Gopher hole went straight in almost 6 in. Bluebirds (W.) and Barn Swallows (under culvert), Redwing Blackbirds, Tanagers, Song Sparrow, Warbling Vireo, Yellow Warbler there also. Saw a Goshawk near the lake.

In the afternoon near the cottage I saw what I thought was a Williamson Sapsucker. Also a flock of 6-8 birds seemed to be Crossbills and a few Evening Grosbeaks were seen. At the Hamlin's at dusk a Nighthawk flew along the shore of the lake.

June 4. Left for Berkeley at 6:15 a.m. Breakfast at Truckee.
Took road to Nevada City, Grass Valley, Auburn. Many
wild flowers - esp. patches of blue pentstemon between
Grass Valley & Auburn. Very hot in Sac. Valley. Reached
Berkeley 3 p.m. Cooler. Mrs. Mead tells me weather had
been hot in Berkeley for four days.

List of birds at Tahoe. ^(in Calif.) Am. Merganser (2 prs. on rocky shore near Hamiltons.), Mt. Quail, Killdeer, Gulls (Calif. many on lake near Brockway), Owl (sp.?), Poor Will, Pac. Night Hawk (1), Calliope Hummers, Red-breasted & Williamson's Sapsuckers, Flicker, Olive-sided Flycatcher, W. Wood Pewee, Hammond & Wright Flycatchers, Cliff & Vg. Swallow, Blue-fronted Jay, W. Crow, Clarke Nuthatch, Mt. Chickadee, Slender-billed and Red-b. Nuthatches, Sierra Creeper, Russet-b. & Hermit Thrushes, Robin, Mt. Bluebird, Ruby-crowned Kinglet, Cedar Waxwing, Warbling Vireo, Yellow Warbler, Aud. Warbler, Palmiste Warbler, Pileolated Warbler, Red-wing, Brewer's Blackbird, Black-h. Grosbeak, Ing. Sparrow, W. Evening Grosbeak, Cassin's Purple Finch, Pine Siskin, Crossbill (?), Green-tailed Towhee, Yrs. Fox Sparrow, Sierra Junco, Mt. White-cr. Sparrow, Modoc (?) Song Sparrow & Lincoln Sparrow
W. Tanager
48 sp.

List of birds in Nevada: Black-crowned Night Heron (1); Canada
 Geese (3 or 4 pers, about 4 goslings); Mallard (sev. pers.) Cin.
 Teal (sev. pers.), Pintail (sev. pers.) Turkey Vulture (sev.)
 Goshawk (1 in mts.) ^{marsh / tank}, Sparrow Hawk (1), Gambel Quail ^{King-ruffed Pheasant}, Coot (few),
 Killdeer, Avocet (2 pr.), Gulls (Calif. ? - two large flocks, rose &
 circled as if migrating), Forster's Tern (1), Mourning Dove (heard),
 Red-b. Sapsucker (making hole in live aspen), Flicker, W. Kingbird
 Trail Flycatcher (mts. in willows), ^{in wood fence} Horned Lark, Cliff, Barn. ^{the} Swallow
 Black-billed Magpie (many), Crow, Sierra Creeper (mts.), House Wren
 (Glenbrook and in aspens at lunch place), Marsh Wren (in tules),
 Sage Thrasher, Robin (in mts.), ^{R.C. Kinglet (mts.)} W. Bluebird (one perched on door of auto
 when J. was reading inside), Yellow Warbler, Olive Warbler, Yellowthroat,
 Ind. Warbler, Pileolated Warbler, Yellow-headed Blackbird (many),
 Nevada Redwing, W. Meadowlark, Brewer Blackbird, W. Tanager, Bullock
 Oriole (Genoa), Black. Grosbeak, Lazuli Bunting, Eng. Sparrow, Linnet,
 Gamb. Goldfinch, Pine Siskin (esp. at Glenbrook), Green-tailed Towhee (mts.),
 Nevada Spotted Towhee (in sage), Nevada Savannah Sp., Towhee (sp. ? in mts).
 Nevada Sage Sparrow, W. Chipping Sparrow, Mt. White-crowned Sp. (in mts)
 Modoc: Song Sp. Brewer Sparrow

61 species.

Total 85 "

Additions along way 4 "

Berkeley, June 5.

Titmouse went into box; another alighted on top of
 box fluttering wings (young bird?). Later family
 came for sunflower seeds (saw 5); twice a
 blue jay flew at one viciously, striking at it with
 his bill. Alarm note of titmouse when blue jay ap-
 proached - tit, tit, tit, tit. When blue jay flew over giving
 alarm note all titmice stopped calling. Two
 titmice seen bathing in the pool.

1935

June 6. Went with Lady Birds to Linda to visit Mrs. Bland's country house. Fog in Berkeley all day, Sunny with ^{cool} breeze in Linda. W. Flycatcher's nest built ~~under~~ on cones hung on wall in porch - feeding young. House Wrens left nest in Madrone tree near back door. Walked over hill and up a wooded canyon. Found hummingbird's nest (Allen?) in thimble-berry bush - two eggs.

June 7. Looked into titmouse box - no eggs. Have seen a bird enter several times since the family left the box. Went to Boulder Creek in afternoon. Cold fog in Berkeley and as far as Mission Peak. Warm in Boulder Creek -

June 8. Watering garden. Mabel & Clarence arrived p.m. In evening drove to Felton, Bonny Doon, Davenport, Santa Cruz and back to Boulder. Beautiful country - park-like areas with beautiful trees - then broken treeless hills with deep gorges between near ocean. Pines and Cypress ~~at~~ in lower canyons (Monterey?). Beautiful weather - Fog off shore.

June 9. Warm. Perfect summer day. ^{Rugel backed} A thrush near the cottage sings a strange song. The first three notes sound like a canyon wren; loud, clear descending - Last notes typical Thrush notes. In evening drove to Lompoc. Returning thro' the sand hills we saw the eye-stripe of a Poor Will in the middle of the road. Caught a moth, returned to ground then disappeared.

June 10. Returned to Berkeley

June 11. Young Bush-tits and jays conspicuous. Cliff Swallows seen flying in and out of niches in the cornice of L. S. Bldg.

June 12. Gl. Sh. Hawk seen east of home

June 14. An Ash-Throated Flycatcher called and sang just outside the kitchen window.

- June 15. A few Caspian Terns and one Gull seen at Drumbarton Bridge.
- June 16. Boulder Creek. Black-throated Gray Warbler singing. P. b. Thrush sometimes sings the usual song of the species - sometimes the canyon wren combinations.
- June 18-21. Beautiful weather in Berkeley.
- 1 heard Olive-sided Flycatcher from house.
- June 21. Saw thrasher feeding a young bird - full grown but bill short. Young bird made a few digging motions.
- June 22. Saw ^{Song} Pool will on Sand Hill road. Black Th. Gray Warbler ^{singing}.
- June 25. A brood of about 25 baby quail was seen near the pool. Noticed a quavering call of the parent (male?) used several times. Other birds heard near by, which have only been heard in the distance during the past months were: Black Phoebe and Lazuli Bunting.
- June 27. Lady Birds went to Boulder Creek. Stopped at Niles nursery where we saw the Mockingbird; one also near Mission San Jose. Went over to Alamo Rock Park where we found Dotted Canyon Wrens - this pair seemed to have a nest among the rocks under the roots of a tree just above a very rocky stream bed. The female(?) kept creeping about disappearing frequently into the cavity under the roots. When we finally approached the site she flew under a water tank and the song of the male was heard twice. At the entrance to the park a pair was busy high up among the rocks of the precipitous hill; seemed to be feeding young out of the nest - other birds seen there - Mourning Doves, Steller

- July 3. Cooler, foggy. Went to Boulder Creek to spend 4th
- July 5. Started to L.A. to attend Kenneth's wedding.
 Stopped a few minutes at Moss Landing. Cormorants, Brown Pelicans, Least & Forster's Terns. Possibly a few shore birds but could not identify them - Spent night at Santa Maria. Cool all the way.
- July 6. Reached L.A. in afternoon. Saw no shore birds along the coast. ^{Via Long Beach to see La Purissima} ~~union~~ - Being restored. *Lilialoxiflora* ~~red~~
- July 7. Mockingbird sang all night - not musical. Sang all day too. At dawn a second one sang and no. 1 came across the street, apparently to drive it away. Drove to Pomona to dinner & to San Dimas (Voorhis Chapel) at 5 p.m. Beautiful weather. Returned to L.A. in evening. Mockster was quiet when we arrived 9 p.m. but began soon after 10 and was singing every time I waked.
- July 8. Mockingbird still singing when we left at 10 a.m. Other birds nearby - Black Phoebe, Goldfinch, Brewer's Blackbird and Linnet. Palos Verdes for lunch then across via Sepulveda & Lincoln Ave to the Riberos. Started north at 4 p.m. and reached Sta. Maria for the night. Windy north of Santa Barbara until we turned inland.
- July 9. Cool again in Salinas Valley. Stopped at Carmel to see Mrs. Ferguson. Boulder Creek 8 p.m.
- July 10. Birds still singing: Thrush, Purple Finch, Olive-sided Flycatcher, Warbling Vireo, Pil. Warbler. Ash-throated Flycatcher heard. Returned to Berkeley for
- July 11. Beautiful weather. Last Boalms concert.
- July 12. A Cavaniss Woodpecker went through the garden.
- July 13. An oriole in the garden

1935

July 14. Hot, muggy, cloudy morning. Cool later.

July 15. Cool, clear.

July 16. Hot morning. Cool p.m. Cabanis Woodpecker again.

July 17. Very warm. At sunset a Sharp-shinned Hawk alighted in the tip of a small redwood at Prof. Jepson's place. Two Anna Hummingbirds darted at it before it alighted and then rose many feet above it and shot down toward it. The hawk took flight before they reached him, flew across to a large Cypress near the Walbur House, with the hummingbirds in pursuit. He started to alight but did not but continued up Strawberry Canyon. At Linda's at the Beards summer home we saw the Ash-throated Flycatcher enter and leave the nesting box where they have young. The W. Flycatcher did not leave the nest on the porch while we had tea within a few feet of her a yellow cat being one of the company.

July 21. James saw a Water Angel on the river bank near the cottage at Boulder Creek. Thrushes sang very little. A Warbling Vireo sang many times, also Gt. Goldfinch, Wood Pewee. Many juncos about; Grosbeaks seen, Kingfisher heard. Cool. Last week temperatures went up to 106° for three days.

July 23. ^{Reptiles} ~~Wagons~~ Wrens still conspicuous about house but fewer songs than last week. Each year about this time there are many songs of light quality - only once in awhile a typical full throated song. I am beginning to suspect that the birds of the year begin to sing after the middle of July.

July 29. Boulder Creek. Quite hot. Only a few bird songs but many families about. Olive-sided Flycatcher (young? birds giving pee-hew call?), Cassin's & Warbling Vireos, R-b Thrush (near river, no song), Spotted Towhee, Kingfisher, juncos. Creepers. Anna Hummer (one seen), Quail (adults seen), W. Flycatcher, Yt. Goldfinch Wood Pewee. At Dumbarton Bridge about 45 White Pelicans, a few Caspian Terns, many Sandpipers W. & Least. and a few Phalaropes. Br. Blackbirds and Sandpipers feeding on the road bed.

July 31. Thrasher has been singing frequently for a week now.
Aug. 3, 4. ^{Phalaropes, 3 or 4 white Pelicans, a few Sandpipers Dumbarton} Many young birds at Boulder Creek - esp. juncos and chickadees. Heard one R-b. Thrush in S.C. Big Trees.

Aug. 5. At Cliff House rocks saw two Black Turnstones and one Wandering Tattler.

Aug 8. W. Tanager on Morrison Rd.

Aug 9. Cliff Swallows on Life Sci. Bldg.

Aug 11. Saw a Water Angel near the cottage at B.C. Ht.

Aug 12. Berkeley. Cools. Hutton Vireos near house. A family of Song Sparrows whistled thro' the garden. Blue-jay singing.

Aug. 17-20. Boulder Creek. Vigors Wren came into spiraea near window and sang many times. Pileolated Warbler heard singing once, Cassin Vireo many times. (No Poorwill Kingfisher about). Yellow Jacket stung my foot.

Aug 22. Berkeley. A Thrasher calls near house many times each day. For several years they have seldom been seen or heard near by except when one comes occasionally for water.

1935

Aug. 24. At Dunbarlon Bridge - incoming tide. Many White Pelicans (50⁺), many more gulls than in July (almost none), Northern Phal. ab. (10000), also Sandpipers which came in flocks on to the roadway - swarms of flies sweeping along near the pavement - probably alight on pavement but did not make sure. No swallows seen. One Willet, two Blue Herons. Large Terns in the distance were probably Caspian. No grebes or ducks.

Aug. 25. Beautiful day - clear at sunrise. Increasing cloudiness but warm. A few drops of rain on way home over the mountain.

Aug. 26. Raining (Berkeley). Heard the whistle of a Rb. Thrush at dawn - first after several weeks silence. Warm, very humid - like a tropical rain.

Aug. 27. Cooler, partly cloudy. Tanagers and Rb. Nuthatch near.

Aug. 28.

Sept. 1. Thrasher singing off and on all morning.

Sept. 4. ^{Unusual} Song Sparrows at dawn. Warm but a little later.

Sept. 2-8 Cold fog most of the time. Thrasher singing.

Sept. 7. A yellow-billed magpie bet. Miss. San Jose & Melpilas.

Sept. 8. Boulder Creek - A Russet-backed Thrush whistled several times at dawn. W. Wood Pewee family on wire. No other summer visitants. No winter visitants. Many families or flocks of Quail, juncos. Br. Towhees (calls of young tho' full grown), Chickadees, Creepers, Bluebirds. Kingfisher and Hutton Vireo heard. No songs. Warm.

Sept. 9. Near Sunset flock of yellow-billed magpies.

Sept. 10. Still cold fog in Berkeley. Thrasher singing. Heard Tanager.

Sept. 23. Cold fog. 2 Thrashers singing constantly. R.b. Nuthatch House Wren, Warbler (Lut.) heard.

Sept. 24. Cold fog. " " " "

Sept. 25. Lady Birds went to Inverness. Birds were scarce in general. No shore birds on Tomales Bay - Only Gulls and Brown Pelicans. No marsh birds seen. Red-winged Blackbirds abundant in Tules. Noises of some marsh bird heard (Rail?) In a neglected garden in the edge of Ross many birds were feeding on ripe figs. Among them Tanagers, Linnets. Yellow Warbler seen.

Full list; 2 Cormorants (sp.?) on S.F. Bay; Gt. Blue Heron, 1 Anthony Green Heron near Greenbrae; Turkey Buzzards ab.; 1 Sh. Sh. Hawk (Olema marsh), 1 Red Tail, several Sparrow Hawk, 1 Marsh Hawk (Tomales Bay). Calif. Quail (few), 2 Chaparral Rails (Pt. Fleming, Berkeley), Kildeer ab.; 6 W. Willet at Pt. Fleming; 1000+ W. & Least Sandpipers Pt. Fleming; W., Calif., and Ringb. Gulls; several Anna Hummers, 1 Kingfisher near Greenbrae, Cal. aris Woodpecker, Downy Woodpecker Inverness, Calif. Woodpecker ~~Hesperis~~, Black Phoebe ab., Steller and Calif. Jays. W. Crow ab., Titmouse heard, Chickadees (Inverness) Bush. Tits (ab.), 1 Red breasted Nuthatch, many Pygmy Nuthatches Inverness, Wren Tit Inverness, Vigors Wren near Olema marsh, Tule Wren heard (Olema), W. Bluebirds (San Geronimo), 2 W. Robins (Olema), Vireo (Hutton?) heard, Yellow Warbler (Ross), Red winged Blackbird ab., 1 Meadowlark, Brewer Blackbirds, W. Tanagers, Linnets, G.b. & Willow Goldfinches, Pine Siskin (heard), 1 Brown Towhee (Olema), Spotted Towhee, Gambel Sparrow (one small flock at Olema ranch), Samuels Song Sparrow, Marin Song Sparrow. Total 50 sp.

Sept. 26. Heard two Audubon Warblers near house. ~~For~~ ^{Sp. singing} ~~in~~ ^{for} ~~the~~ ⁱⁿ fog

Sept. 30. Heard Gambel (or pacificus?) Sparrows. Aud. Warbler R.b. Nuthatch. Many birds singing a.m. House Wren. Warm day.

- Oct. 4. Many Gambel Sparrows. Also G-c Sparrows and Ruby-crowned Kinglets. Cus-Warblers abundant. Cool with much fog. Rains in Alaska. Electric storms in Sacramento Valley.
- Oct. 7. Heard a W.W. Wren at dawn. Mrs. Ferguson reported Hermit Thrush and many warblers. Black-throated Gray seen distinctly. Foggy but not cold.
- Oct 11. Rain at night. Fox Sparrow on Elm St.
- Oct 12 Boulder Creek. Hermit Thrush. Gambel Sparrows singing all along the highway. Rained $1\frac{1}{4}$ in last night here of Oct 11 here. Beautiful weather after rain.
- Oct. 13. Cloudy with rain at night. ^{Hermit Thrush common.} Snowing in Sierras.
- Oct. 14. Rain off and on all morning and at night. ^{Hermit Thrush, Gambel Sp. Ro. Nuthatch, Thrasher, and W. Wren.}
- Oct. 15. Rain most of day. ^{Hermit Thrush, Gambel Sp. Ro. Nuthatch, Thrasher, and W. Wren.}
- Oct. 18. Many birds. House Wren still here.
- Oct. 20 Boulder Creek. Many Hutton Vireos & Gambel Sparrows.
- Oct. 21. Berkeley. House Wren still here.
- Oct. 22. Strong east wind - first of season. General through California, esp. S. Calif.
- Oct. 23. Wind decreasing.
- Oct. 24 warmer.
- Oct. 25. Heard Varied Thrush, W.W. Wren and Golden Crowned Kinglet in our garden. Warm. Light wind from east. House Wren still here. Vigors Wren, House Wren & W.W. Wren at same time.
- Oct. 26 - 27 Warm. Oct. 27. Summer temperature.
- Oct. 28 Cold N.W. wind at night.
- Oct. 29. 30. Cold N.W. wind. Heard Fox Sparrow. Siskin.
- Nov. 1. Rain and S.W. wind at night. Blunder Creek.
- Nov. 2. Clearing. Drove to Boulder Creek and back. Crossed Dunbarton Bridge. In the last salt pond before reaching the ^{bridge} there were about

a thousand Black Turnstones. There may have been
 Cuddies too but the light was not bright enough
 to make sure. They were calling as there was quite
 a Babel of sounds. When they alighted they did so with
 a hovering motion. They must have been forced to
 alight by the strong gale last night - much stronger
 down the peninsula than in Berkeley. Trees were
 blown down at Saratoga and up the Congress Springs
 road to the Summit. Other birds seen at the bridge
 were Eared Grebes, W. Least & Red-b. Sandpipers, Forster's Tern
 Madrone berries were red. At the summit a huge flock
 of Pine Siskins flew over (500±).

Nov. 4. Lady Birds went to Dumbarton Bridge. The Turnstones
 were gone but we saw Avocets (15±), Lesser Yellowlegs 2,
 Willets (few), many Least and Red-backed Sandpipers
 and a few Western, many Bonaparte Gulls, Am.
 Egrets 45±, White Pelicans 30-40, ^{Eared Grebes many.} Near Newark we saw
 a Snowy Plover, near Alvarado a field filled with Killdeer
 and Black-bellied Plover (100±), near the Leslie Salt works
 west of Alvarado Egrets, Pintails, and a few Snow Geese,
 and at the Garden City Golf Club thousands of duck
 Pintails, Mallards, Spoonbills mainly. The keeper had
 just shot a Duck Hawk which he gave us to "save".
 Weather clear, cold. Heavy frost in morning.

At Bannockburn only two ducks were seen. A group
 of men were there. One told us that they were just
 getting the ponds in condition - that there was no
 natural food there for the ducks. At the Garden
 City Club the water was turned in several months
 ago and there was an abundance of natural food.
 This club is owned by eleven men, Mr. Ghisainelli
 is one of them. I suppose the richer club can

time in the water early to ^{increase} encourage the food and so get the ducks -

Nov. 5. Warmer.

Nov. 6. Warmer. Heard Varied Thrush, Thrasher, Willow Goldfinch, Bluebirds while I was working outside.

Nov. 9. Boulder Creek. Night very cold, ~~March~~ berries ^{not quite ripe}.

Nov. 10. Heavy frost but when sun came up it was delightfully warm. At Dumbarton Bridge (Nov. 9) there were very many Eared Grebes (300±) a few Egrets (6-8), very few Bonaparte Gulls, some Sandpipers. Tide very high.

Nov. 11 Berkeley. Cold but 20° warmer than at Boulder Co.

Nov. 12. Have talk at Rockridge Women's Club. Cloudy a.m. Clear by night.

Nov. 13. Heard House Wren again. Also W. W. Wren & Sings.

Nov. 16. Varied Thrush song about 7 a.m. Cloudy, warm.

Nov. 20. A W. Gnatcatcher spent several minutes in the oak trees east of house. Bluebirds near.

Nov. 21. Heard House Wren again.

Nov. 27-30. Very mild.

Dec. 2. Lady Birds went to Stag's Leap & Benicia.

Thick fog very dense at Carquinez Bridge at 10 a.m. Near Vallejo several hundred Willow Goldfinches were perched on electric wires, all twittering. Some dropped to the roof of a garage and picked the gravel from the patent roofing. A huge flock of blackbirds covered the wires in nine sections from pole to pole. - A small portion of them formed a veritable cloud when they flew. A number of hawks seen [un. Redtail, Marsh Hawk (gray plumage), Sparrow Hawks, and one Tex. Roughleg (probably)], also a Turkey Buzzard. In an orchard were many Robins, W. Blue-

Bluebirds, Aud. warblers, several slenderbilled nuthatches, one Red-breasted Sapsucker, White-crowned Sparrows, both Gambel & Pugetensis, Golden-cr. Sparrows, Linnet and juncos and Green-b. Goldfinches. R.C. Kinglet also. Near Benicia numbers of Canvas-backed Ducks and a few Ruddies - Cooler, growing cloudy.

A House Wren at Mosswood Rd.

Dec. 2-5 - mild, cloudy but no rain.

Dec. 6. Rain - Dec. 7, 8. Birds more numerous. Fox S. and juncos esp.

Dec. 9.

Lake Merritt. Many ducks. Hunting season Nov. 20.

Dec. 20. Most at: Canvas-backs, Pintails, Baldpate. Less at: Lesser Scaup, Ruddies, ^{Mallards} Banded European Widgeons and pair of Green-winged Teal. The male teal drove other ducks away from his mate. Occasionally he would run his bill down on his chest then suddenly jerk up like a jack in the box snapping his whole body up, stretching his neck and giving his whistled note. A few Am. Golden Eyes were seen but no Buffle Heads. Shovelers or White-fronted Geese. The Lesser Snow Geese, Can. Geese, ^{8 out} Hutchins Goose were seen. Gulls: Ring-billed & Glaucous-winged most numerous. A few Calif. and out on the lake Bonaparte Gulls. Many Cormorants, Eared and Pied-billed Grebes numerous. Dec. 11. Rain at night.

Dec. 16. Clear with N.W. wind. Drove to Boulder Creek and back. Heavy frost in shady places in mts. Water dripped from roof of cottage as frost melted at noon. Porches windows very wet (on outside of windows). House very cold. Ground still frozen where sun did not strike, Ate lunch out in sunshine where it

was very warm ($70^{\circ}+$) Returned via Dunbarton Bridge - Very noticeable increase in gulls which heretofore have not been abundant. Today thousands of them, among them about 1000 Bonapartes. Lared Gulls increasing. Some Sandpipers, Pelicans and Am. Egrets and a few ducks but very few ($12 \pm$) Three Turkey Buzzards near Patterson ranch - All the way along wherever plowing was being done there were many gulls and in some places Killdeer.

Man at Service Station at Santa Ana said he went to Los Banos duck hunting yesterday. Got 4 Green-winged Teal. Ducks not abundant. Have been more on bay this year.

At Boulder Creek I heard Varied Thrush, Hutton Vireo, Chickadees, and saw 3 R-C Kinglets in one tree - some fighting among them. Many Crowned Sparrows along way and hosts of Brewer Blackbirds, Gulls and Killdeer following the plough in many fields.

Dec. 17-21. Light frost. Clear days.

Dec. 21. Drove via Marsh Creek to Byron Hot Springs then via Altamont Pass to Livermore and back to Berkeley. Bright warm day.

Dec. 22. Many birds come for food. Red-breasted Nuthatch calling continuously near table. Mrs. Blanks reported that a Ruby-crowned Kinglet & a Slender billed Nuthatch came to her table for fine bread crumbs.

Dec. 28. A little rain last night. Hills still brown.

A Red-breasted Nuthatch was on the ground near the door of the sub-basement, apparently partly skinned. With difficulty it flew into the toyon bush ($8/1 \pm$) where it

remained almost immovable for about $3\frac{1}{4}$ hr. Then it began to look about and after a few minutes flew away. Probably had flown against a window in one of the upper stories of the house. Warm.

Dec. 29. Heavy rain.

Dec. 30. Rain. Thrasher sang continuously in early afternoon.

1936.

95

Jan. 1-2 - A good soaking rain

Jan. 3. Clear morning. Cloudy afternoon

Jan. 4 - Rain

Jan. 5 - Cloudy with some rain.

Jan. 6. Clear a.m. colder & cloudy p.m.

Jan. 7. Cloudy - Drove to Boulder Creek and back. Very mild. At Dumbarton Bridge - 1000's of Sand-pipers, many of them Redbacks. Many hundreds of ²Colaptes ^{seen over} Grebes. Black bellied Plover - one small flock at Dumb. , over 100 near Alvarado in field. No ducks. Mild at Boulder Creek - no frost.

Jan. 8. Song Sparrow and Thrasher singing. Raining.

Jan. 10. Left Berkeley in a drizzling rain at 8:30 a.m. for a trip to Death Valley & Boulder Dam. Rain ceased before we reached Livermore. Cloudy most of the way but very warm. Clouds very beautiful. Birds were quite abundant until we reached Modesto — Blackbirds, Meadowlarks, Shrikes, Sparrows / Hawks, one Marsh Hawk, one Gt. Blue Heron and one Am. Egret. ^{a few Horned Larks} Also large flocks of small birds which could not be identified exactly — probably Goldfinches, Linnets & Gambel Sparrows. In the towns a few English Sparrows were seen but only one sizable flock. From Modesto to about 50 miles south of Fresno hardly a bird was seen — 1 Marsh Hawk (?), 1 Meadowlark, 1 Shrike, no flocks of any kind whatever. As we neared Bakersfield they became more numerous again. Is this due to the poisoning campaign?

1936

- Jan. 11. Left Bakerfield (after very hot, noisy night) at 8:45 a.m. and drove over Tehachapi Pass. A beautiful drive. Low hills very barren but oaks, nut pines and possibly juniper pines on the higher slopes. Beautiful cloud effect. Birds numerous: Redtails (2), Crows, Horned Larks, Meadowlarks (singing) Brown Towhee, ^{Junco} ~~Junco~~ ^{Junco} ~~Junco~~, Turkey Buzzard and Shrike - only one stop to see Redtail. In the Mohave Desert we saw a number of Horned Larks, Say Phoebe. Beyond Baker we saw only two birds which I took to be Horned Larks. Beautiful scenery South of Shoshone to Tex Pass - with sunset lights. Windy with sand blowing in spots. Spent night at Amargosa Hotel at Death Valley Junction. ^{Heard a Raven and a Goldfinch at Amargosa Hotel}
- Jan. 12. Temp. 32°. Drove to Furnace Creek Inn. Along the ^{At Zabriski Pt. one Crow. (Raven?)} Creek I saw two robins and one Audubon Warbler. At the hotel I saw a Say Phoebe. Later I saw two or three crows, ^(Raven?) one bird in hotel garden and two birds up the valley (not identified). and a few. Crisp, partly cloudy - Warm 10-2:30. Drove to Stove Pipe Wells Hotel and explored Golden Canyon on foot. Warm and still at night.
- Jan. 13. At 7 a.m. walked down to Furnace Creek Ranch. As I started out I saw one bird in the garden with white outer tail feathers (junco?) Along the way down the ^(Raven?) ~~flume~~ ^{flume} one crow and one linnet (flying over). Near the end of the flume a large flock of Gambel Sparrows, many of them singing (200±). About 9 a.m. from the hotel I saw 5 Ravens which came into the valley from the east, flew over the valley and returned eastward. They were calling. Drove to Death Valley Junction.

where we had lunch then N.E. toward Beattie then S.E. through Indian Springs to Las Vegas ^{and Boulder City}. Saw a small bird on top of a low bush in one place on the N.E. road. As we neared Las Vegas I saw a large hawk perched in a ^{leafless} Cottonwood tree on a ranch. I took it to be a Fer. Roughleg. It showed a white tail and very light (white?) underparts when it flew. Desert all the way. Where there were springs there were mesquite trees and as we neared Las Vegas a few stunted tree yuccas. Cloudy. After dinner we drove over to Boulder Dam - illuminated and men working on the power houses.

Jan. 14. In walking about Boulder City I saw many Eng. Sparrows, a few Brewer Blackbirds and one Audubon Warbler. After breakfast we met Prof. Hillbrand and his party at the Administration Bldg. for the trip to Boulder Dam. While waiting I saw a few yuccas, a robin, a few Audubon Warblers and Gambel (?) Sparrows. At the dam I noticed English Sparrows. Also heard a song ^{from the road on the dam} which sounded like a Canyon Wren. It was on the cliff below the dam. Later when we went to the bottom of the dam I saw a tiny bird which alighted on the face of the cliff and acted like the Canyon Wren. On the return trip to Boulder City I saw a hawk alight on the top of a peak. It suggested the Prairie Falcon. After lunch we drove back to Barstow (182 mi) - Saw a few Crows along the way and after we crossed the Calif line one Shrike. Beautiful sunset as we drove from Baker to Yermo. Wonderful cactus gardens on Mt. Pass, east of Baker. Also small trees with long ^{slender} pods (6-8 in) - Desert Willow (a catalpa), Spent the night at Barstow.

1936

Barstow

Jan. 15. ^A Took a walk before breakfast but found no birds except linnets and Eng. Sparrow. Later we found a mocking bird which stayed near the hotel where there were some Toyon berries and veronicas with ripe berries. As we left Barstow we saw many Gambel Sparrows under the mesquite trees. As we drove on we saw occasional Shrikes and in one place Meadowlarks ^{and a Say Phoebe}. ~~Near Mohave~~ There (in the sandy desert not far from Barstow we saw five or six Sage Sparrows - one perched on top of a bush and the others feeding on the ground. I saw one Mt. Bluebird, and Near Mohave, Horned Larks were quite abundant. In the Tehachapi Mts. we saw several Redtails, Calif. Woodpeckers, W. Bluebirds, Chickadees (Bailey?), Gambel Sparrows, Crows, ^{1 Am. Redwing} one Raven (E. side), juncos and a Calif. Jay(?). We had lunch at Bakersfield, then drove on to Fresno. Saw many more birds on this stretch of the road than on Jan. 10: Shrikes, Meadowlarks, Mourning Doves, Linnets and one Kingfisher. Fine weather everywhere so far. Rained during the night. Heard Killdeer. Mts. covered w. snow.

Jan. 16. Clear and crisp after the rain. Mts. cloudy. Went to Los Banos where we saw many birds - Meadowlarks, Brewer & Redwinged Blackbirds, Marsh Hawks (8) Sparrow Hawks, Redtail, Pigeon Hawk (very small, however), Gt. Blue Heron, Coots (1000+), a few Sandpipers, a few Pintails (20+), 1 White-tailed Kite (I think), Black Phoebe, Bluebirds, Gambel Sparrows, Linnets, Killdeer. Stopped once at State Game Refuge. No geese and no ducks except the few Pintails. In Pacheco Pass there were many Yellow-billed Magpies. Lunch at San Juan. Reached Berkeley about 4 p.m. Rained ^{in Berkeley} all the time we were gone.

Jan. 17. Berkeley. Clear after days of rain. Very light frost across the canyon.

Jan. 18. Cloudy. Birds very abundant. Quail, jays, ^{flicker}, thrasher (singing), Vigors Wren (singing), Titmouse, R-c Kinglets, Hermit Thrushes, Varied Thrushes, Robins, Brown Hutton Vireo, Brown & Spotted Towhee, Fox Sparrows, G-c Sparrow, ^{singing} Song Sparrow (singing), Red-breasted Nuthatch, Junco, Wren-tit - all in our garden or just over the line. What a contrast with the desert! Flowers in bloom: Wild currant, blue violets, white violets, primrose, primulas, cestrum, Kerria, pink saxifrage, fuchsia, cyclamen, chorymba, narcissus, cineraria, cerise, tritoma, wallflower.

Jan 19-21. Clear, warm. Worked in garden.

Jan. 22. Clear, warm. Lady Birds went to Lake Merritt and Mt. Eden where many acres are under water due to heavy rains last week. At Lake Merritt tony berries are still abundant and many birds were feeding on them; robins, Cedar wax wings, Purple Finches, Hermit Thrushes. Also seen - Song Sparrows, G-c Sparrows and a few white-crowns (sp.), Linnets and Br. Blackbirds. Ducks are much diminished in number. Saw no Golden-eyes. Buffle-heads, ^{Teal} very few Mallards, Ruddy. A few hundred Baldpates & Pintails, one European Widgeon. Lesser Scaup and Canvasbacks still quite abundant. A few Bonaparte Gulls, many Calif. and Glaucous-winged and a few Ringbills. Among the geese, no Canada Geese seen, 8⁺ Hutchins and 1 Cackling, 8⁺-12 Lesser Snow and 1 Ross Goose. Several Eared Grebes and one Red-tailed seen. Saw only the birds near the Gutencadero & fresh water station.

Near Mt. Eden (South of) opposite Bamberg but on the highway there were innumerable gulls (sp.?), and large flocks of Sandpipers, many of them Red-backed, also 40-50 Dowitchers, 100-150 Killdeer, 2 Yellowlegs and many ^{Costa's} Snipes. ^{Red-tailed Hawk} The Snipes were very shy and did not allow of close approach but their zig-zag flight, size and reddish tails could be seen - also long bills. They were in a field with furrows full of water. Many meadowlarks, pipits, ^{Br.} Blackbirds and a Yellowthroat (in tules next to highway bridge) Lunch at Bamberg - very warm in the sunshine - Had to shed our coats. Not many water birds there - Killdeer and Costa's. Red-winged blackbirds were singing, also meadowlarks. Audubon warblers, Linnet, ^{Br.} Blackbird, Marsh Hawk, Sparrow Hawk, Shrike were seen. Returned to 37 Mosswood for tea. Saw Fox Sparrows, Brown & Spotted Towhees, R-b. Nuthatch. Total sp. 454.

Jan. 24. Jays and other birds have been mobbing an owl at intervals all day. A Steller jay joined the group. At first the owl was apparently in a dense bay tree near Mrs. Parsons' house and created great excitement among the smaller birds before the Cal. jay joined in. Kinglet, Hermit Thrush, Brown Towhee, Spotted Towhee and R-b. Nuthatch were all calling at once. Later the owl seems to have moved down the hill toward the north a little way.

Jan. 26. Walked through the Santa Cruz Big Tree Park. Heard the following birds: Cabanis Woodpecker, Coast Jay, Chickadee, Creeper, Hutton Vireo, Varied Thrush, ⁽¹⁰⁰⁾ St. Housed Owl (two calls of different pitch). Birds very abundant along highway after we left the bay fog - juncos, crowned sparrows etc.

At Congress Springs a bird that looked all black and had a crest was perched at the top of a small bare tree. Saw Green-backed Goldfinches there. On the way home I noticed a chickadee perched on a wire when it was almost dark. Do they roost on the telephone wires? Many robins and a flock of 20± Band-tailed Pigeons seen near Congress Springs. Very warm sunshine at Boulder Creek. 18 in rain there between Jan. 9-16. Acacias & almonds in bloom. Also narcissus.

Jan. 29. Lady Birds went to San Francisco to see Short-billed Gulls and Ring-necked Ducks. The Gulls were seen at the Marina feeding at the outlet of a sewer pipe. There were three birds in adult plumage seen at a distance of 10-15 ft. They dropped like ^{almost vertically}, spreading tail and dropping head, but without any splash, just touching the feet to the water and at the same instant taking something with the bill. The flight was very graceful, ^{then} turning easily in swift flight. The tail is all white; back pale slaty grey; neck marked with grey; head white; bill yellow, tapering and short; feet yellow; underparts white. Lines of black near tip of wing. If the outer edge of the wing is seen it shows three black stripes toward the tip.

The ducks were on the lagoon at the Fine Arts Bldg. (1915 Exposition), most of them in the shade of the rotundas. The pattern of white on the sides ^{of the gulls} and on a crescent, the point of which reaches upwards near the neck. The slender bill is circled by white near the tip. The head is almost tufted at the back. The ring around the neck could not be seen, as the birds kept their heads drawn down. The female has a broad light

line at the base of the hill on each side and white lids to the eyes. They paid no attention to us though they were only a few feet from the shore where we were standing.

Other birds seen: Surf Birds (20+), Black Turnstones (20+), Ruddy Turnstone (1) at the Cliff House Rocks, Western, Calif. Ring-billed and Glaucous-winged Gulls very abundant - Ring-billed less ab. than the others. Mallards, Baldpates ^{Ruddies} on the ^ACanvas Backs on the lagoon, Lesser Scaup on the Bay near E. end of pier; Cormorants (sp.) on bay & Cliff House Rocks; White-winged and Surf Scoters on bay near pier; W. Grebes on bay, Eared Grebes on bay (near pier) and on lagoon, one (oil-soaked) on N. Lake. ^(Pied-billed Grebe on lagoon - Costa ab.) Hawks (sp.) in Presidio, Quail G. G. Park, Black Phoebe ^(lagoon & ab.) G. G. Park, Anna Hummers G. G. Park, Audubon Warbler very ab. North Lake, W. Yellowthroat (2), North Lake; Pine Siskin Linnets, W. Goldfinch (heard once), Song Sparrow, Hermit Thrush - N. Lake. Nuttall Sparrows at ^{the} shore. The air was full of bird notes on the E. shore of N. Lake where Aud. W. were calling and Nuttall Sparrows, Song Sp., Siskins & Linnets singing. Near Middle Lake a Spotted Towhee was singing its spring song. On the island in the lagoon (Fire Ants Beds) a black swan was on its nest. N. wind in S. valley, In S. H. no wind; brilliantly clear. Crisp air, warm in sunshine. Tide high - High waves with much surf at beach.

Jan. 30. Vagors When has been singing freely off and on all day. Began Jan. 28.

Jan. 31. Spotted Towhee gave spring song across road
west of steps. Rain

Feb. 1. Rained all day.

Feb. 2. Still raining. No frost. Juncos come to feed every day - have for past two weeks.

Feb. 3. Clear - Heavy frost across canyon in early 9. m.

Feb. 4. Clear with heavy frost in morning.

Feb. 5.	"	"	"	"	"	Saw 2 Bt. Pigeons in Mr. [unclear] yard
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Feb. 6 10, frost lighter. Beautiful day. Cold at night.

Feb. 7. Heavy frost. Coast jays came to feeding table

Feb. 9. Light frost in morning. Warm day - Drove to Boulder Creek and back. Birds abundant - Meadow larks singing.

Feb. 10. Cloudy a.m. Rain p.m. Warmer. No frost.

Faculty Section walked through lower campus -

Back of Women's Faculty Club we found Varied Thrushes,
Purple Finch singing -

Red-breasted Sapsucker ^{single such singing -} Walking toward west we

found Bush-tits, Titmouse (pr.), Hutton Vireos (pr.),

In Faculty Glade - Song Sparrows (pr.) Warbler (Black-throated) + Thrush -

Throated Gray? Varied Thrushes, Robins, ^{Hermit Thrush} Brown Towhees.

Near Campanile Whittall Sparrow singing (mate near)

Song Sparrows singing; Linnet, Audubon Warblers,

Anna Hummer. In (Botanical) Gardens - Flicker

(opening call note - note - note, etc), Calif. jay. Purple

Fish, Emmergreens at west end. Coast Jays, Varied

Thrushes. Robins, Along Woolsey Creek Spotted Towhees.

Junco, Varied Thrushes. In the decayed trunk of

a large oak which has been cemented up a robust

nest, lined with mud: clean and apparently just built. ⁶

Result - propped above - ~~three~~ feet from ground

Feb. 11, 12. Heavy rain - 4-5 in. 2 Vigors Wrens singing at sometime, one east of house, other west.

Feb. 13. Still raining. Many ^{oak} moths have been about the porch light every night the past week.

Feb. 14. I sat down by the west window and watched birds for half an hour. There were hundreds of them. Huge flock of Bush-tits a small group stayed some minutes in the toyon bush next the chimney - others in oak trees. A Red-breasted Nuthatch went over the branch of the oaks, pulling good-sized bits from the cracks in the bark. In one instance I saw him throw away two rings of a moth. In two other instances it seemed to be bits of pupa cases which he discarded. About a dozen Coast Jays were hunting on the ground ~~on~~ in the oak trees. One bird alighted on a rather small dead branch and pulled off ~~two~~ pieces of dead bark 4-6 in long. Each time he held the piece by the end with his toes, pulled off something which he ate and dropped the piece to bark. Several California jays were about too; a female Spotted Towhee in the hazel thicket where they nest every year scolded when a Coast Jay came too near. A Song Sparrow and Vigors Wren were singing; a group of very light-colored Ruby-crowned Kinglets were feeding within 6-8 ft of each other. A Hermit Thrush was feeding on the ground. After the Jays went away several Varied Thrushes flew into the oaks.

On the east side of the house there were the usual birds taking food from the ^{food} feeding containers: Coast Jay (has been coming the last ten days), Calif. Jay, Song Sparrows, Golden-crowned Sparrow, Spotted Towhee, Brown Towhee, Fox Sparrow Wren-tit. To my surprise I found an Eastern Fox Sparrow hopping about near the pool. This is the second time I have seen one here. Very cloudy and very wet. Warm.

A few minutes later when I went to the east window a Vigors Wren, Titmouse and Wren-tit all came at the same time. The Wren picked up bits among the sticks of the Christmas wreath (the needles have all disappeared). Probably he found bits of damp fat there; then he took bacon fat from the cup on the railing. The Wren-tit took bacon fat and the titmouse sunflower seeds.

Feb. 15-19 - Almost continuous rain. Saw a pair of titmouses exploring the nesting box below the house. Both birds entered the box. Vigors Wren singing constantly.

Feb. 17. Cloudy. Faculty Section went to Codornices Park. Paths have been made - two miles of them - on the steep slopes. Birds were not as abundant up stream (south) but we found many below Euclid Ave. in the bottom of the Canyon. Twenty-four species - Anna Hummer (towering), Blue Siskins feeding on willow catkins; Many robins and Purple Finches eating berries which are still abundant. Songs; Song Sp. Purple Finch, Wren-tit. Linnet.

Feb. 22. Very rainy in afternoon. Drove to Boulder.

Creek & back. Went down via Drumbarton Bridge, Palo Alto, Searsville Lake, Skyline Blvd. At Drumbarton Bridge there were two rafts of Great Grebes (200-300), a few Least, Western & Red-b. Sandpipers, Lesser Scaup, Surf & white-winged Scoters. (Tide was very high & country flooded so that at the west end of the bridge the marsh was all under water. On one of the board walks to the north there were 12 Clapper Rails; and one on a walk on the south side. Rained all night.

Feb. 23. Began to show signs of clearing.

A little N.W. wind in afternoon. Walked up to Top of Panoramia Way. Vigors Wren singing. Thrashers perched on ^{low} white post at roadside singing. At home a titmouse took seed and carried it into the box (to feed mate). Stars shining at night. Colder.

Feb. 24. Raining again - Hail storm. Saw a Townsend Warbler in very bright plumage, (black throat) with a flock of brush tits.

Feb. 24 Still raining -

Feb. 25 Clearing - No frost. Purple Finches abundant.

Feb. 26. Lady Birds went to Calaveras Valley.

Warm, spring weather. Birds abundant. At Mission Bridge: Black Phoebe, Song Sparrow, Hermit Thrush, Yellowthroat - Coots, Redtails, at ranch south of bridge: Red-breasted Sapsucker, 25-30 Flickers, Brown Blackbirds, Redwings, White-crowned Sparrow (Pugtensis) ^{Smallons (Tree?)} In Canyon: Yellow-billed Magpies, Hutton Vireo, Titmouse, Kinglet, Siskins, Varied Thrush, Merquies (fem. Red-breasted or Savannah Sparrows, Swallows, Bandtail Pigeons American?)

- Feb. 29. Mrs. McLake went with us to Boulder Creek. Mr. McL. & Major Brooks came to cottage after their hunt for ocean birds at Santa Cruz. At Dumbarton Bridge 200+ Avocets, Least & Red S. Sandpipers, Eared Grebes. Scaup.
- Mar. 1. Walked up to Whittaker place - Saw Varied Thrushes, Chickadees, Hutton Vireos, Hermit Thrush, Juncos, Bush-Tits, Vigors Wren. Spotted Towhee, Wren-tit, Calif. Woodpecker. Major Brooks called all the birds about him by squeaking his mouse, imitating a Pygmy Owl and the crested jay - Very warm. Heard Kingfisher & Creeper. One Lutescent Warbler.
- Mar. 2 - To Warner spring weather. Saw a titmouse flying across to eaves - probably to get cobweb for nest. Housecleaning prevented close observation. Purple Finches singing. Oaks blossoming.
- March 7. Beautiful weather. Drove to Boulder Creek. Dumbarton Bridge - High tide. About 40 Willets on a dyke bordering a salt pond. Many Eared Grebes.
- March 8. Hutton Vireo calling continuously at dawn. Juncos acted as if they were mated & building.
- March 9. ^{Beautiful 5:30 p.m. Pair of Lutescent Warblers at pool.} Dummer day. Faculty Section went to Oak Springs and Orinda. At Oak Springs: Allen Hummer (female) and nest in blackberry about three feet from a nest we found last year. Birds not very abundant. Several Lutescent Warblers heard. Watched Bush-Tits, Vigors Wren, ^{large-t.} Red-tailed Hawks (4 together). Heard Meadow-larks. Song Sparrow, Titmouse, Calif jay, Linnet (one) Wren-tit. Saw & heard Golden-crowned Kinglets. At Orinda: Ruddy Ducks, Coots, Black Phalaropes, Golden-c & White-c (subsp?) Sparrows, Titmouse and Slender-billed Nuthatch (calling & singing).

1936

4 clear whistles), Flickers, Cal jays. Calif. Woodpecker.

March 10. Many bird songs at dawn and until 9 a.m.

Song Sparrow earliest. Virgin Wren. Kinglets, Purple Finches, Titmouse.

Lady Birds went to Nortonville & Marsh Creek. Too early for flowers. Mustard out, poppies beginning.

Nortonville - coal mines. Windy. Very few birds but we did see a pair of Say Phoebes and heard their notes. Song T. - sweet whistle. Returned to Marsh Creek near Clayton where we found flocks of goldfinches and sickness feeding on flowers of deciduous oaks.

March 11. Found a W. Winter Wren ⁱⁿ an acacia near East Hall. The acacia ^{branches} touched the ground.

Very warm.

March 12. Many birds singing - Song Sparrow, Virgin Wren, R.C. Kinglet, Titmouse, Lutescent Warbler, Purple Finch and Thrasher (p.m. below house). Wild ceonothus in bloom in Strawberry Canyon.

Beautiful day.

March 14. Drove to Boulder Creek via Dublin, Saratoga.

^{no. Beauty reported W. Flycatcher at Orange}
Peach orchards in blossom - very early.

March 15. Heard warbling Vireo near collages. Two Hutton Vireos calling continuously, Spotted Thrush first bird to sing in morning. Beautiful weather. Returned via Skyline to La Honda junction then Dumbarton Bridge. High tide. Eared Grebes & Sandpiper. Many Gulls. Increase in Gambel Sparrows.

March 16. High fog - Sultry. W. Flycatcher near Women Faculty Club. Hermit Thrush. Varied Thrush, R.C. Kinglet. Cedar waxwings also.

March 17. Cooler. Cloudy.

March 18 Warm. Clear. ^{also.} Hens W. Gnatcatcher in decision.

March 19. W. Flycatcher & W. House Wren near our house
Juncos & Aud. Warblers singing. Also Kinglets. Varied Thrush
& Hermit Thrush still here. G-c Sparrows moulting.

Cedar Waxwings increasing. Warm. Flycatcher singing.

March 21, 22. ^{Colder}
March 23. Cedar Waxwings at Webster and Greek
Theater. Cold. Rain at night.

Mar. 24. Raining. Many birds singing: Hermit Thrush,
G-c Sparrow, Lutescent Warbler, Vigors Wren, Titmouse
Song Sparrow, House Wren.

March 25. Lady Birds walked through lower campus - 2 Varied Thrushes, Cedar Waxwings near Women's
Faculty Club. Titmouse entered nest hole in Grenella
tree, carrying a feather. Pine Siskins flying over.
Purple Finch, Song Sparrows, Bush lts, Flicker, Linnets
Brown Towhees. Robin, Hermit Thrush, Audubon Warblers,
Townsend Warbler (heard). Almost no birds in
subur garden. Woolsey Creek - Spotted & Brown
Towhees, 1 Marbling Tanager, Junco, Golden-crowned
Sparrow (very few), Kinglet. Cold wind fr. N.W.

March 27. Hermit Thrush sang continuously at dawn.
Later Gambel & Golden-crowned Sparrows, Siskins came
to feed on oak worms. Many Purple Finches &
Robins. At 9 a.m. went to Women's Faculty
Club grounds only to find them spraying all
the oaks - great force used. After spraying they
turned a fire hose with great force into all the
low shrubs. Very few birds on north side of
club. On south side I found a pair of Pt. Plover
Juncos in only dry spot. Sprayers missed an oak
tree at back door. Townsend Warbler there. Bush lts carrying nesting material.

March 28. Cloudy. Oaks filled with birds: 2 Lutescent Warblers singing ^{Spotted Towhees, Brown Towhees} several Song Sparrows, Vigors Wren and Western Flycatcher and Titmouse ^{Bushy Jay} (these all located for nesting. Also Fox Sparrow (heard a dawn ^{seen later}), Goldencrowned Sparrows, Gambel Sparrows, Purple Finches, Pine Siskins, Juncos, Audubon Warblers, Townsend Warblers, Hermit Thrushes & Robins, 2 Red-breasted Nuthatches (one flew to the window to pick off an insect) Varied Thrushes ^{Catbirds} Between 10:30 a.m. & noon there must have been more than a thousand birds in the garden. Most of them came to the pool west of the house. A dozen Siskins would go in together. If they had to wait for robins to leave they would alight in the currant bush or drop to the ground to feed. Juncos drove them away two or three times. At noon we ate lunch in front of the window over the pool and not a bird was seen. Rain at night.

March 29. Cloudy with showers. Saw no great numbers of birds in the oaks but Purple Finches and Robins were busy all day.

March 30. Raining steadily. A warbling Vireo began singing near the house at 9 a.m. Hermit Thrush singing at 7 a.m. At 10:30 a.m. a flock of siskins came in and I watched them pulling out the worms from the oak leaves. At the same time I saw a Kinglet, a Townsend Warbler and a Redbreasted Nuthatch and heard juncos and Gambel Sparrows (or purgetensis?)

March 31. Clear a.m.; partly cloudy p.m. N.W. wind. Colder in afternoon. Varied Thrushes, Robins, juncos, Siskins, Townsend Warblers, Audubon Warblers (in ^{some} full plumage), White-crowned Sparrows, Rt. Nuthatch Jays feeding on oak worms. Heard Pileolated warbler at end of Monmouth Rd.

April 1. Still cold. Birds still very abundant. Heard an Allen Hummer near Stadium - have been very scarce. Robins pick the worms up from the ground or take them from the trunks or branches of the trees rather than from the leaves.

Apr. 2. Gave talk on Ornithology for Amateurs at Women's Faculty Club. Rain at night.

Apr. 3. Rained hard all day.

Apr. 4. Drove to Putah Creek. A flock of Willow Goldfinches was seen on the gravel surfaced road in Pleasant Valley. Putah Creek was very high, bridge under water. Went on to Winters. Returned via Cordelia, Benicia, Vallejo. Saw 4 Am. Egrets, 1 Willet near Benicia. Cloudy a.m., windy near bay. Clear p.m.

April 5. Chilly north west wind. Clear. Boulder Co. & back.

April 6. Warm, Clear. Lady Birds drove up hills back of Leona Heights - Saw Rufous-crowned Sparrow and heard song:

White-throated Swifts flew over us and across to "glory hole" of old quarry. At Miss Graham's Riding Academy there were Chipping Sparrows, Gambel (?) and Golden-cr. Sparrows. but no House Wrens. Many Allen Hummers seen. Saw one pair of Purple Finches in pines at Montclair. Female Allen H. carrying willow fluff.

April 7. Warm, clear. Worked in garden. Great flocks of juncos, crowned sparrows, sickness. Audubon and Townsend warblers, Robins, Purple Finches in oak trees near house. Birds nesting (?) near: Calif. Jay, W. Flycatcher, Lutescent Warbler, Titmouse (in box), Virgin Wren, Song Sparrow, Brown Towhee, Spotted Towhee.

April 8. Warm, clear. Lutescent Warbler failed to sing at dawn. Later when working in the garden I heard both birds chipping and watched one go with food in its beak to a spot among the ferns I planted on the wall above the dining room terrace. As we were just leaving for Boulder Creek I did not investigate ~~the nest~~.

April 9. I went with Mr. and Mrs. McCabe to Corral Hollow, S.E. of Livermore, South of Altamont Pass. It was a warm beautiful day. Fields of poppies from Livermore South the hill top covered with yellow violets. Many other flowers. In one valley there was a deep eroded ~~scar~~ cut 10-12 ft - soil to bottom, no rock. No rock visible in whole valley. But there were many pairs of Rock Wrens. Saw one pair enter a hole in the bank. Males in full song. Say Phoebe's present there also. During lunch which we ate under an oak tree on the grade down to Corral Hollow we saw Linnets (building platform for nest in low branch of the oak), House Wrens (nest in hole in dead branch ... " " Bush tit (nest almost complete in same oak), W. Flycatchers, juncos, Brown Towhees, Nuthall Woodpecker, Aud. Warbler, R.C. Kinglet, G-C Sparrow, Gambel

Sparrow, Prairie Falcons (pr.) Sparrow Hawk, Vigor Wren. A gulch leading back from the oak tree was bounded by a precipice of sandstone on west ^(many large holes), and by a tree covered slope on east. On the east slope which must have contained springs there were many maiden-hair ferns.

As we neared Cornell Hollow we came to a valley branching south with a small stream in it where there were evidences of coal mining in the past (Tests?) The stream had cut the sides of the valley esp. on west side. ^{We saw a Rock Wren enter & leave} ~~and~~ ^{was} a hole in this cut near the top. ^{It was} the nest of a Rock Wren. When Mr. McCabe climbed up to look into the opening the male flew almost into his face as she came out. The nest was lined with brown sheep's wool and contained six eggs. Several males were singing and one came within ten or fifteen feet where he perched on a flatish stone and sang repeated ly. The song is very similar to that of a mockingbird (without imitations) but softer.

Among the tree tobacco (yellow blossoms) there are gardens on in Cornell Hollow there were many hummingbirds - Distinguished Rufous (male in full plumage) and Annas. Many Western Kingbirds, Meadowlarks, Chislers between Livermore and Cornell Hollow.

April 10. Went to Boulder Creek. Grosbeak, Olive-sided Flycatcher, Black-throated Gray Warblers in - Heard three warbling Vireos at once.

Apr. 12. Near Pleasanton many migrating White-crowns.

Apr. 13. Berkeley. Toluia Warbler near house, singing 9-10.

Failed to find any nest among ferns (see Apr. 10.) 20

Heard song of Grosbeak in distance (west)
Purple Finch building and young sang & sparrows out on campus.

Apr. 12. Mr. & Mrs. McCabe went to Cornell Hollow.
 Found young Rock Wrens hatched (See Apr. 9)

Apr. 14. Grobeak on Prospect St. Winter birds scarce. No Varied Thrush or Hermit Thrush seen on Campus. Pair of Purple Finches building nest ^{cliff house Union}.

Apr. 16. Heard Red-breasted Nuthatch near house. A male Vigors Wren took possession of the flicker box nailed on house (2nd story S.) and sang excitedly (10 a.m.). By 11 a.m. a female appeared and stayed near the box but did not enter while I was watching (until 11:20). At noon both were still there the male in the opening of the box, singing; the female in oak branches near by. Went to S.F. p.m. Most of the gulls ^(in full plumage) following the boat were California, a few Ring b. and very few Western. Cloudy a.m. Clear, cool p.m. Toluine Warbler singing constantly a.m. Lutescent Warbler not singing - occ. chirps.

Apr. 17. Saw a Hermit Thrush in the garden.

Apr. 18. 19. Boulder Creek. ^{Beautiful weather.} Many birds singing: Grobeak ⁽²⁾, Warbling Vireo ⁽⁴⁾, Olive-sided Flycatcher, Pileolated Warblers, ^{Black-thr. Gray Warblers.} On Ben Lomond Mt. Audubon Warblers, Black-throated Gray Warblers, Purple Finch, Wren-tits, Creepers. On way down (Apr. 18) heard yellow warbler in three places. At Mrs. Blanks in Unida, House Wren nesting in low stump; W. Flycatcher under platform of tea house.

Apr. 20. Berkeley. Toluine Warbler and Vigors Wren singing constantly - Pair of Lutescent Warblers and pair of Titmouses scold Bluejay whenever he comes near. Young Titmouses noisy. Found nest of Lutescent Warblers above a small fern in the bank above dining room terrace.

Nest contains 5 eggs - drabelline color. Nest completely hidden by fern & moss. A Pileolated warbler sang all the morning near the east pool - first time this year. Robins and Purple Finches gone. No droppings from oak worms. Cloudy all day.

April 21. Pileolated warbler continued singing. ^{Rain} Also Polaris, nearer the house than in past years.

April 22. Cloudy. Lady Bird's went to Clear Lake via Mt. St. Helena, Middletown, Lower Lake. Rain in mountains. Dogwood, Hackberry, Ceanothus Iris (Mt. St. Helena); Blue Larkspur, yellow Calochortus, ground iris, blue Ceanothus, tidy tips, etc. in Lake Co. Birds abundant. Found in Lake Co.

Western Grebe - abundant on lake; mating calls & bowing.

Pied-billed Grebe (seen by Mrs. Sanders)

White Pelican - 50+ - east arm of lake, above narrows.

Farallone Cormorant - several seen on lake.

Mt. Blue Heron - abundant on lake.

Black-crowned Night Heron " " "

Anthony Green Heron - one seen at Andino.

Mallards - many - perhaps domesticated.

Cinnamon Teal - one near Clear Lake Oak Park.

Turkey Vulture - abundant everywhere.

Sparrow Hawk, many seen

Osprey - one perched in dead oak between Middletown & Mt. St. H.

California Quail - many small flocks seen

Coots - scattered in places suitable for nesting.

California Gulls - abundant.

Forsters Tern - several seen

Caspian Tern - 50+ seen on east arm of lake, a few elsewhere

Mourning Dove - 20+ "

Hummingbird - two in mimulus patch - Anna?

Clear Lake, Apr. 22 - contin.

Harry Woodpecker - one seen by Mrs. Ferguson.

Willow " - nest in willow stub at Austin's.

Calif. " - many between Austin's and Clear Lake Park

Lewis " - pair in white oaks at Austin's, others at

Flicker near Austin's.

W. Kingbird - in valleys back from lake

Ash-thr. Flycatcher - Austin's and elsewhere among Digger pine

Black Bluebe - Austin's

W. Flycatcher - abundant

Cliff Swallow - "

Tree Swallow - nesting in oaks above Clear Lake Park, on shore

Violet-green Swallow " " " " " " + elsewhere

Calif. Jay - ab. in oaks, esp. at Austin's

Shrike - several seen along way

W. Crow - abundant in valleys

Titmouse - just building - many pairs - many holes in trees

Bush Tls - fairly abundant

Slender-billed Nuthatch - building at Austin's

Wren-tit - in chaparral areas.

Vigors Wrens - a few seen or heard

House Wren - many heard.

Tule Wren - in tule at north end of lake

Calif. Thrasher - several on bushy hillsides

W. Bluebird - many seen

W. Robin - two or three seen.

W. Gnatcatcher - very abundant

W. Warbling Vireo - fairly abundant, esp. at Austin's

Cassin Vireo - two heard - one near Austin's

Lutescent Warbler - a few heard

Audubon Warbler - a few heard - (still migrating?)

Black-throated Gray Warbler - one seen, a few heard.

W. Yellowthroat - ab. on lake shore - 5 near Clear Lake Park

- Pileolated Warbler - a few heard (more ab. later?)
 Yellow Warbler - very abundant.
 Yellow-headed Blackbird - ab. in tules east of Lakeport
 Bicolor Redwing - abundant along lake shore
 ? Tricolored " - seen by Mrs. Hillbrand
 W. Meadowlark - abundant
 Bullock Oriole - "
 Brewer Blackbird "
 ? ~~Black-b. Grosbeak~~ - abundant at Astoria
 ? Lazuli Bunting - none seen, only one heard (not in yet?)
 House Finch - too abundant
 Green-backed Goldfinch - abundant -
 Lawrence Goldfinch - several seen
 ? Pine Siskin - reported by Mrs. Mead as singing
 Spotted Towhee - in chaparral areas
 Brown Towhee - ab. & singing
 W. Lark Sparrow - abundant; esp. east of Middleton
 (Bell Sparrow? A bird singing in chaparral on west side of Koonce)
 (Junco? reported by Mrs. Saunders & Mrs. Mead)
 W. Chipping Sparrow - abundant
 Golden-crowned Sparrow - a few near Astoria
 Song Sparrow - abundant. One on lake shore sang like a
 Marsh Song Sparrow
 Total 17 Doubtful 6

Apr. 25. Crossed Dumbarton Bridge at low tide. Most of the shore birds were missing but there were Red-backed (full plumage), Western and Least Sandpipers, a few Curlew (Hudsonian), Black-bellied Plover (full plumage) about 6-8 Phalaropes and 10-12 Foster Terns. Saw no Caspian Terns. Only nine Eared Grebes seen (full plumage). But the marshy near the Sunnyvale Hangers there were more Curlews and B.b. Plover and Sandpipers.

Apr. 26. At Boulder Creek the ^{heard W. Wood Pewee above San Jose} Russet-backed Thrush was whistling and a Hermit Thrush was singing at frequent intervals in the distance. The Black-throated Gray warbler was singing constantly. Other birds: Warbling & Hutton Vireos, Lutescent, Pileolated Warblers (no yellow W & yet), Chickadees, Kingfisher, California & Harris Woodpeckers, Grosbeak, Brown & Spotted Towhees, Olive-sided Flycatcher, Juncos. Warm except at night. When we came back to 37 Mosswood Rd. we found a baby bush tit on the front path. It could not fly far enough to get over the walls. The parents were feeding it. I put it over the wall as it was getting dark. It hissed at me as I caught it.

Apr. 29. Lady Birds went to Alameda where we saw Knot associated with Doves. The red on the breast is lighter and back lighter. Also lighter under. Saw also the three kinds of Sandpipers, a few Willet, Godwits, and 3-bellied Plover (none in full plumage). Also a number of Semipalmated Plover and one Snowy Plover. We went on to Alamo Rock Park. It was raining but cleared after lunch.

and we found two pairs of Canyon Wrens in full song. One bird gave a rising trill at the beginning of the song and slowed the tempo toward the end. Neither bird gave the rising note at the end of the song. Cassin Vireos and Wood Pewees were present.

One Hermit Thrush seemed to be ailing. It could fly but spent most of the time with its feathers puffed up, standing still. On the way home we went up to Calaveras Dam where we found Rock Wrens and heard them sing. Near the upper end of the reservoir we saw four deer. Russet-backed Thrush whistled at us.

April 30. Before I got up I heard the Lutescent Warbler calling excitedly so ran to the window to see what was the matter. Both birds were flying about and calling. At the nest was a black cat - on the steep bank. I clapped my hands and he dashed away but the nest had been clawed out and the nestlings were gone. They must have hatched out yesterday as I saw no feeding the day before. The young titmouses are very noisy and are being fed constantly. A Pileolated Warbler is singing frequently. After the Am hour after the Warbler's nest was destroyed a pair was flitting about below the terrace where the clothes lines are. Clearing. Warmer. Thrasher sings occasionally.

May 1. Young titmouses flew about 8 a.m. - perhaps one of them later in the day as I saw one of the adults enter the box after that. They went down toward the Stratton's. An Ash-throated Flycatcher came into the oaks below the house and stayed some.

time. He flew from one branch to another and picked off a worm in passing, just as he did last year. ^{May 1, 1933} Heard the muffled call of the

Sharp Shinned Hawk. Thrashers singing.

May 2. Jays heard Rust-backed Thrush singing on campus. The Lutescent Warbler sings occasionally.

Have heard juncos below the house to the west for several days - nesting there?

May 3. A Western Tanager across the road. ^{Lay. Bunting & Olive-sided Flycatcher on Tanager's Road.}

May 4. An Oriole called and sang across the road. ^{Mrs. Esch heard a Golden-crowned Sparrow sing in the night.}

May 7. Bush-tits seen with young. Lutescent

Warbler singing freely. Lutescent Warbler occasionally - Vigors Wren sings most of the time - female still brooding in Flicker box. When I was watering below the bird feeding station a Song Sparrow came into the branch twice as if to tell me he wanted food. My head was perhaps three feet below the branch. I have not been putting out food regularly lately.

May 9. Dunbarton Bridge - Low tide 10:30 a.m.

Many Phalaropes and Western Sandpipers (no Redbacks seen), a few Bonaparte Gulls in full plumage, two ^{H.} Curlews (west end), (no grebes or plover seen). At Symonds marsh, two Hudsonian Curlews ^{and Birroughs Grebe} Very warm (84° in S.F.)

May 10. Height of the Season at Boulder Creek. All summer birds in. On the grade I heard a W. Tanager. Near the cottage: a pair of quail, 1 Turkey Vulture soaring low, 1 Sh. Sh. Hawk flew over in northerly westerly direction. Wood Pewee, W. Flycatcher, Harris, Calif. Downy Woodpeckers, (no jays), 1 Allen Hummer (♂), 1 Kingfisher, Chickadees, (no more Cassin, Hutton and Warbling Vireos; Lutescent, Black-Thr.

Gray, Pileolated & Yellow Warblers; Purple-backed Thrush,
(Monterey Hermit Thrush on mountain to south could be heard),
Calif. Purple Finch (full long songs), Gt. Goldfinch, Grosbeaks (several)
Chipping Sparrow (within hearing), Junco, Brown Towhee (nest
in spirea against house) Spotted Towhee, Song Sparrows.

At 5 p.m. in Berkeley I heard the call of the
Sh. Sh. Hawk and looking up saw it soaring above.
Fog along ocean. Clear, sunny, cool breeze in Berkeley.

May 11. Faculty Section had last trip of year to
Oak Springs, Orinda Country Club, Sausalito,
Alameda. Fog in Berkeley. Cool in Contra Costa Co.
Saw (or heard) ⁴⁸ species: Mallard & Coot on Orinda
Lake; Redtail & Sparrow Hawk; Quail, Mourning Dove,
Anna Hummer, Calif. Woodpecker, Lewis Woodpecker
^{Harris Woodpecker}
Red-shafted Flicker, Ash-throated Flycatcher, Black-
Phoebe, Western Wood Pewee, Western Flycatcher,
Cliff Swallows, N. Violet-green Swallows, Calif. Jay,
Titmouse, Bush-tit, Slender-billed Nuthatch, Wren-tit,
Vigors Wren, House Wren, Thrasher, Russet-backed Thrush
Robin, W. Bluebird, Calif. Shrike, Warbling Vireo,
Lutescent Warbler, Yellow W., Toluine W., Long-tailed
Chat, Pileolated Warbler, Red-winged Blackbird, Meadow
Lark, Bullock Oriole, Brewer Blackbird, English
Sparrow, Grosbeak, Lazuli Bunting, House Finch,
Green-backed Goldfinch, Spotted Towhee, Brown Towhee,
Song Sparrows. The Ash-throated Flycatcher was at
Orinda - a pair; also Vg. Swallows; Chat at Alameda,
Lewis woodpeckers in oak trees north of Walnut
Creek.

May 13. Young Blue jays calling. May 14 - Rain p.m.

May 15. The two Vigors Wrens were scolding near the
flicker box so I looked to see what was the matter. A

1936

titmouse was perched at the hole. When driven off by the Wrens he came back again. Ed drove him away. Warm clear.

May 16. Boulder Creek. Brown Towhee feeding young in the nest ~~in~~ the spiraea. Families of Chickadees. Tanagers heard. Black-throated Gray Warbler still singing freely - three types of songs - ~~the~~ very clear, high pitched rising. ; another very rough, low pitched, not carrying far - : the third of similar quality to the second but a different sequence of notes. Same species heard as on May 10. Very warm p.m.

May 17. Cool breeze, very pleasant. (Fog on ocean)

May 18. ~~Between~~ fog (high) until 10:30 a.m. Chilly breeze.

May 19, 20, 21, 22 Hot. In Mrs. Kimball's garden (22) birds were very numerous. A Thrasher's nest

contained two eggs - nest low in a hydrangea.

May 23. Commencement. Began to grow cooler p.m. ~~Bluejay~~ ~~chased~~ ~~young~~ ~~titmouse~~.

May 24. Boulder Creek. High fog until noon.

Many Tanagers. Black-throated Gray Warbler still singing. Yellow Warblers and Gt. Goldfinches building. Chickadee went to roost under eaves at 6 p.m. Thrush sang until 7:45 p.m.

May 26 Mr. Cain reported Crossbills in E. Oakland May 15. Also that he banded five nestlings of Red-breasted Nuthatch. The male parent was banded two years ago; female wore no band. Cool, cloudy.

June 1-6. Cool. June 6-7 rain.

Song Sparrow which had been feeding one lone youngster began singing again - (A new nest?) Vigor's Wrens feeding young in flicker box. Lutescent Warblers feeding young below the Cloche's line Terrace.

June 9. Purple Finches singing at dawn.

Russet backed Thrush, Thrasher, Robin, Toluine Warbler singing freely.

June 10, 11 hot. Young Vigor's Wrens calling.

Blue Jay sings frequently - especially about 1 p.m. Feeding young across Mosswood Road. ^{Mr. Ferguson found a baby} quail ^{fell off wall} dead on walk. Probably

June 12. Young Lutescent Warblers left the nest.

June 13. Song of Lutescent Warbler heard once.

June 14. Lutescent Warbler sang several times.

Rain after cloudy weather (June 12, 13)

June 18. ^{Mr. Beatrice reported family of young quail at creek} Young Vigor's Wrens left the flicker box.

A family of juncos in the garden.
Beautiful weather. Red-breasted Nuthatch.

June 19, 20 " "

July 20 - July 2. Weather warm. Very little fog.

July 3. Boulder Creek. Mourning Dove perches on our electric wire frequently. Saw it first on

June 30. Brewer Blackbirds in the meadow.

Family of 18 young quail. When disturbed the young fly, scattering. Parents run along just ahead of us - Brown Towhee building again.

Many young chickadees. At dawn R.b. Thrushes sing first; then juncos, song sparrows, olive-sided flycatcher. Family of Kingfishers, young full grown but very noisy.

- July 6. On way back to Berkeley we crossed Dumbarton Bridge. Saw no shore birds. About 50 White Pelicans in three groups were at the east end of the bridge toward the south.
- July 7-10 Boulder Creek. Mourning Doves - a pair - seen frequently. They ^{one} came itself on the electric wire about 8 a.m. each morning. Wren-tit heard frequently and occasionally a Virgin Wren - Both were missing during the spring and early summer. Thrush still singing.
- July 15-18 Boulder Creek. Warbling Vireo singing. Hutton Vireo heard. Did not hear Kingfisher. Mourning Doves still about. July 18. White Pelicans (20+) at Dumbarton Bridge and many Sandpipers.
- July 21-26. Boulder Creek. Rb. Thrush very seldom heard. Yellow & Pil. Warblers. Western Ash-thr. Olive-sided Flycatchers and W. Wood Pewee and Black Phoebe; few songs. At Palo Alto heard Sb. Nuthatch. At Dumbarton Bridge July 26. many Chalcopses. Some Sandpipers, 1 Yellowlegs, and 50-60 W. Pelicans.
- July 31 - The sunniest July I can remember.
- July 29 - Santa Cruz - A Wandering Tattler seen from W. Cliff Drive. Also 2 Black Turnstones.
- ~~Aug 7 - White Pelicans and Chalcopses at Dumbarton.~~
- Aug. 12. Santa Cruz. Several Surf Birds seen. Many Heermann Gulls.
- Aug. 20. Mrs. Blake reported a Phal. on her pond and some Tanagers in the garden.
- Sept. 1. Heard Warblers (Yellow?) in maple trees near Piedmont Ave. Mrs. Lewis reported 5 White Tailed Kites at Inverness. Young still being fed by parents.

1936.

Berkeley.

Sept. 23. Very warm after a foggy night.

A Fox Sparrow called repeatedly at

Sept. 24. 5:45 a.m. Heard a Ruby-crowned Kinglet.

Sept. 26. Flickers, Sparrow Hawks increasing.

Forest fires. Very bad north of Waterman's Gap.

East road in morning - ^{Berkeley} Fog at night - Boulder Co.

Sept. 28. Ruby-crowned Kinglet near Litcher road.

Sept. 29. Large flock of bush-tits - 2 Hutton Vireos, 2 Titmouses, 1 Hermit Thrush and a Townsend warbler with them. Warm.

Sept. 30. Ladybirds went to Marin Co. Found many winter birds already here. In Berkeley before we left I heard Goshawk and Golden-crowned Sparrows and we saw Townsend warblers. On the bay we saw a Calif Murre in winter plumage. In the marsh back of San Quentin we saw three Am. Egrets and two Say Phoebes; stopped near Greenbrae; on a road bordering the marsh in Kinfield; lunched at Phoenix Lake. Then crossed through San Rafael to McNear's Pt. Saw 13 Am. Egrets near the marsh and more Say Phoebes. Went on to China Camp. Many Bonaparte Gulls there. Also a dark, swift-flying bird with long narrow wings and longish tail - too large for pigeon hawk. ~~Could it have been a jaeger?~~ It flew along off shore near the point north of China Camp, continuing south. Full list: Pied billed Grebes 4 ad, 2 young at Phoenix Lake. The young were calling loudly something like Spotted Sandpipers. They showed white stripes on sides of head - Brown Pelicans (on bay), Cormorants (sp.?) on bay, Lt. Blue Heron, Am. Egrets (16), Ducks (sp.?) three small ones flying; Sh. Sh. Hawk (1), Sparrow Hawks (ab.). Heard continuous calls of a hawk at Phoenix Lake - possibly young Redtail. Quail (heard once),

Coot (Phoenix Lake), B.B. Plover (near San Rafael in w. plumage) Killdeer, Spotted Sandpiper (?) at China Pt. W. Willet (ab.) near S. Rafael, ~~Jack Snipe~~ (2) China Pt., W., Calif., Ring b., Bonaparte Gulls, Calif. Wren, Anna Hummingbird Kingfisher, Calif. Woodpecker (Greenback) Flicker (Ross), Say Phoebe (ab.) Black Phoebe, Steller Jay (one at Ross), Calif. Jay (one at Ross), W. Crow (ab.), Titmouse, Chickadee, Bush Tit, Mount. V. Wren, W. Bluebird, Cedar waxwings (large flock at Kentfield), Shrike (one), Audubon Warbler (one or a few), Brewer Blackbird (a few), Meadowlark (ab.) Eng. Sparrow (very few), Linnet (ab.) Yb. Goldfinch (a few), Spotted Towhee (ab. at Ross), Brown Towhee (heard once at Ross) W. Savannah Sparrow (one on fence near Greenbrae), Junco (sp?) at Phoenix Lake, Nuttall Sparrow (pr. at China Pt.), Gambel Sp. (flocks ab.), Puget Sound Sp. (on fence at Greenbrae), Golden-cr Sp. (a few at Kentfield), Song Sparrow (ab.) Total 52.

Oct. 3. Sausalito Bridge. Many Am. Egrets.

Hundreds of ^{Yellowlegs} Arcoets. A few ducks - Pintails, Bluebills. Sandpipers - (no Phalaropes or ^{Grebes} ~~Egrets~~) At San Mateo Bridge Mrs. Sheldon reported great numbers of Phalaropes. At Sears Pt. Cut-Off she found 1000's of Gadwall and 4 White-Tailed Kites.

Oct. 6. Went with Mrs. Sheldon and Roger Tony Peterson to Orinda Country Club. Birds very abundant, esp. ^{Calif} Jays, Calif Woodpeckers, Thrashers (6-8), Crowned Sparrows, Quail. Heard Blunder-billed Nuthatch and saw Red bellied Hawk. At Lake Merritt at 5 p.m. Ducks were thick about the fresh water feeding station; Baldpates (many in eclipse plumage), Pintails, Mallards, Bluebills. Geese have become so tame they take food from the hand. One ^{Ross} Snow Goose with the Snow Geese. A few Ruddy in the lake. Mr. R.T. Peterson saw Gadwall.

Oct. 7 - Birds increasingly abundant. Many Flickers. Golden-crowned Sparrows singing. Saw a Hermit Thrush and Townsend Warbler. Two Thrashers at the pool. Very warm. (80+)

Oct. 9. Went with Mrs. Keller, Mr. R.T. Peterson, Mrs. Sheldon to the bridges and Alameda. Weather warm, no wind, air smoky & hazy. Saw very few land birds in Alameda - On Bay Farm Island ^{we saw} many Sanderling and sandpipers, a few Godwits, Willets & Plover about 4 Common Terns and about 5 p.m. Short-eared Owls & Marsh Hawks were feeding over the wild land near the trees. From Bay Farm Island we went to the Leslie Salt Works and then on to Dunbarton Bridge where we saw hundreds of White Pelicans, many American Egrets and Three Snowy Egrets; also 400+ Avocets and 100+ Pintails. At the Mountain View Marsh the tide was drawing out and there were hundreds of Marsh birds - Curlews, Clapper Rails, Godwits etc. About 3 p.m. we crossed San Mateo Bridge and at the East end on the tide line there were a thousand ± Godwits and almost as many Willets. In the first salt pool on the south side of the highway there was a scattered flock of N. Phalaropes (1000 ±) feeding on the surface of the water. Suddenly the birds at the east end of the pool began to rise, close ranks and form a close flock which wheeled and turned swiftly, showing now light now dark. Soon all the birds had risen and then we saw a duck hawk dash through the first flock. Eight times he dashed through one flock or another without catching anything. Then two birds dropped out

of the flock and the hawk followed them but did not get either of them. He then returned to the flock and dashed through two or three times when a single bird dropped out of the flock with the hawk in close pursuit. That time he succeeded in catching the bird and flew off with it in his talons to a line of low posts. He flew from post to post until he was some distance from the roadway and then proceeded to eat his victim. ^{Went to Alvarado} ~~Green Club.~~

List of birds seen:

Rare ^{a few} Grebe, Pied-billed Grebe (1 or 2), White Pelicans (200+), Farallon Cormorant (1), Mt. Blue Herons (many), American Egret (50+), Snowy Egret (3), Mallard, Bluebill, Pintail, Spoonbill, Ruddy (a few Pintails on bay - others at Alvarado), Sh. Sh. Hawk (1), Redtail (2), Marsh Hawk (3), ~~Duck~~ Hawk (1), Sparrow Hawk (many), Clapper Rail (25+), Coot (few), Bb. Plover (50-70), Killdeer (many), Snowy Plover (a few at Leslie Salt Works), Longbilled Curlew (50+) in Mt View Marsh, Hudsonian Curlew (10+) Mt. View and a few at Bay Farm Island; Western Willet (100+), Greater Yellowlegs (8-10), Least Sandpiper, Redbacked Sandpiper (no large flocks but abundant), Lb. Dowitcher (20+) Mt View, W. Sandpiper "), Godwits many at Mt. View, 1000+ San Mateo Bridge; Sanderling 100+ at Bay Farm Island, a few at Leslie Salt, Avocets (400+) at Dunbarton, 12-15 at San Mateo; N. Phalaropes (1000+) at San Mateo, Bonaparte Gulls, Ringb. Gulls, Caspian Terns (a few), Forsters Tern (a few), Common Tern (4) at Bay Farm, Short-eared (100+) Alameda, Anna Hummer (1), House Larks (several) Calif Jay (1), ^{Pipits} Calif Shrike (1), ^{rule for me} And Warblers, Brewers Blackbirds (ab), Meadowlarks (ab), Eng Sparrow House Finch (ab) Bryant Sparrow (many single birds)

Puget Sound Sparrow - many in certain suitable localities. A large flock singing in araucarian pines in Alameda at sunset. Song Sparrow,
Total 53 species.

October 10. Fox Sparrows singing at 37 Mosswood.

Went to Boulder Creek by way of Dryfonton ^(than yesterday) Bridge. Tide higher when we passed. Many more Black-crowned Night Herons, several in immature plumage (25+); more Pintails than yesterday. No Pelicans, 400 Avocets, a few Eared Grebes. American Egrets were fewer but the three Snowy Egrets were seen. The striking thing was the abundance of Night Herons and the total of all Herons - sometimes four kinds in one group.

Oct 11. Boulder Creek. Heard the Pygmy Owl again.

Fox Sparrows, Kinglets, Creepers, Kingfisher, Chickadees, Townsend Warblers etc. as usual.

Oct. 12. Black throated ^{gray} Warbler near Berkeley House.

Fox Sparrow singing. Warm - No wind. Awd. War. at.

Oct. 13, 14. Still warm, quiet - No wind.

Oct. 15. North wind - warmer - 4 Hermit Thrush near pool - in conflict.

Oct. 17 At Santa Cruz on the West Cliff Drive I saw about 100 Sanderlings, 50 Black Turnstones, ^{Killdeer} Bb. Plover, 1 Curlew, many Pelicans (Brown), Farallone Cormorants, Western and Heermann Gulls. The tide was just beginning to ebb, waves were dashing very high against the rocky points between waves. The Sanderling and Turnstones were feeding and bathing in the little pools left in the hollows of the rocks. Sanderling

when driven off by a high wave often circled off over the breakers, then returned to the points. As we returned many of the Sanderling were on the sandy beaches, running after the waves and rushing back ahead of them. ^{On the ocean} was a flock of 50 Western Grebes. ^{White-crowned Sparrows heard} along the highway ^{on the way to Boulder Creek.} were all Pugetensis.

Rain at night. Heard G-C Kinglets at Berkeley.

Oct. 18. Many Fox Sparrows, Hermit Thrushes, some R-C Kinglets, Warblers (rounded like Black-thr. Gray) Heavy rain as we left at 2 p.m. No rain elsewhere on way home.

Oct. 19. Fox Sparrows come for seeds. Thrashers for water. Many Hermit Thrushes. No rain yet. Faculty Section went to Pt. Fleming. Killdeer in great abundance 100±, Least Sandpipers, 1 B.b. Plover. Western Gulls, 1 small flock pintails flew over. Pipits, Willow Goldfinches, Bryant Sparrows, Song Sparrow, Puget-around and Nuttall Sparrows, Aud. Warbler, Linnets Meadowlarks and Blackbirds seen. Cold wind blowing.

Oct. 24. Still no rain. At Santa Cruz-Black. Turnstones, Sanderling and W. Grebes as last week.

Oct. 28. Lady Birds went to Drumbarlon Bridge and at ~~Drumbarlon~~ ^{Mr. Vaid} Marsh. Warm, clear, no wind Am. Egrets and 6 Snowy Egrets, a few Crows, 1000± Willets, a few Gadwall, Eared Grebes and one Western Grebe, 6-8 Pintails besides Blue and Black-cr. Night Herons, W. L. & Red-b. Sandpipers (one Spotted Sandpiper seen (on raft at S. end))

A Duck Hawk caused all the willets to rise from the salt pool. At Mt. View Marsh many Clapper Rails very seen - showed very little fear. ^{Commons seen} When tide began to ebb flocks of Long. b. & Hnd. Curlew, Willets, some Godwits, Dowitchers, Sandpipers, Black. b. Plover and Killdeer came in to feed. One Dowitcher had a shorter bill, a more distinct white line over the eye; attacked other dowitchers. At San Mateo Bridge there were no Phalaropes. Tide low, shore birds as far as we could see. East wind in Berkeley, following a m. fog.

Oct. 29. Clear, cooler. Kinglets singing.

Oct. 30. Rain all day -

Oct. 31. Clearing. Went to Santa Cruz with Mr. & Mrs. McCabe. Explored beach north to Davenport - Black Turnstones, Sanderling, 2 Hnd. Curlew, Spotted Sandpiper, ^{Brown Plover} Yellowlegs, Short-billed & Heermann's Gulls, 2 Red -

Phalaropes in a lagoon - Nov. 1. ^{Heard 4 c. Kinglets at Bondville}

Nov. 8. Explored the coast from Davenport to Half Moon Bay with Mr. and Mrs. McCabe. Saw only one flock of Sanderling - no other shore birds. A few Cormorants, gulls and Eared Grebes. Great paucity of birds. Crossed San Mateo Bridge - thousands of sandpipers at west end, also a few willets and Bb. Plover. At east end thousands of willets, some godwits and Bb Plover. Tide low. Clear - excellent lights. Cold at night (Nov. 7) - with ice and frost in morning. Warm day - no wind along coast. N. wind in Berkeley.

- Nov. 9. Faculty Section in Codornices Park - Birds very abundant, esp. Crowned Sparrows and Aud. Warblers - 100 s. Many Kinglets, Her. Thrushes, Flickers. Saw 22 sp. - almost all of them at very close range and in excellent light.
- Nov. 10. Mrs. Wilbur's Class went to Mrs. Blosser's on Chabot Rd. She has an excellent feeding table where we saw Hermit Thrush, G-C Sparrow, Song Sparrow, Fox Sparrow, Wren-tit, Vigor Wren. On the reservoir there were coots, 2 Ruddy Ducks, one Red-billed Grebe and in the distance a flock of ducks - probably Blue Bills. Clear, warm.
- Nov. 12. Lady Birds went to Benicia and Cordelia. Clear, warm day. Between Vallejo & Benicia we saw a number of hawks - Several Sparrow Hawks and Red-tails, a few Marsh Hawks and also Prairie Falcons (2), Ferruginous Rough-leg and one immature Goshawk. The Goshawk was attacking the Rough-leg as he soared above us. Later we saw several Sharp-shins and one Cooper Hawk. Red-winged Blackbirds were in enormous flocks above Benicia. A few ducks were on the bay near Benicia, mainly Ruddies. One Am. Egret, several ^{at} Blue Herons, a few Red-bill & Tared Grebes, and many coots (in the marshes) - Between Cordelia & Vallejo on the new American Canyon Rd. we found a large pond of fresh water with Tules. There we saw many coots, and Killdeer, a few Mallards, a Redhead,

a Bufflehead and a Golden-Eye. Meadow-Larks and Willow Goldfinches (large flocks), Pipits and Savannah Sparrows, Brewer Blackbirds were abundant. Other birds seen were Black Phoebe, Aud. Warbler, Flicker, Linnets, (Bay Bridge opened)

Nov. 13 - Nov. 20. Almost continuous warm weather with no rain and very little fog -

Nov. 25 - ²⁹30 - Drove to Los Angeles to a meeting of the Philological Association - Coast route both ways. Clear, warm weather. Country very dry in north - greener from Pass Robles South. Most generally distributed birds: Shrike Sparrow, Hawks, Linnets, W. Bluebirds. A few Yellow-billed Magpies south of Santa Maria. Shore birds common - Curlew, Godwits, Willets, a few Yellow legs, Sanderling and Sandpipers. No Scoters. A few Ruddy Ducks and Bluebills. On the Malibu Road as we neared Los Angeles - a flock of about 100 Mountain Bluebirds.

Miss Gladding spent the Thanksgiving holidays at Echo Lake and reported many robins feeding on the juniper berries. Also heard a song of this quality - possibly of Townsend Solitaire. Saw no juncos there.

Nov. 30. A strong north-east wind blew all night.

Dec. 1. Song Sparrow began singing.

Dec. 7. Killdeer - flocks over Berkeley, along highways on lawns -

Dec. 9 - Lady Birds went back to the fresh water pond north-east of Vallejo and back by Sears Pt. Cut-off. Birds were very abundant - more ducks than I have seen anywhere this year except at Lake Merritt. Weather warm. Clear. Hills still dry as there has been no rain since Oct. 30. Birds seen: Pied-billed Grebe (ab.), Farallon Cormorants (6-8), Yt. Blue Heron, Am. Egret, Black-cr. Night Heron, Bittern, White-fronted Goose (10 ± on pond), Mallard, Green-winged Teal, Shoveller, Pintails^(ab.), Canvas-back (2), Buffle-heads (15-20), Ruddy (ab.), Turkey Vulture, White-tailed Kite (1), Ferruginous Rough-legged Hawk (1), Marsh Hawk (ab.), Prairie Falcon (1), Sparrow Hawk, Coots (1000+), Killdeer, Black-bellied Plover (a few), W. W. W. (very few), Greater Yellowlegs^(15 ± many), Long-billed Dowitcher (40 ±), W. Sandpiper, Marbled Godwits (40 ±), California, Ring-billed & Bonaparte Gulls, Short-eared Owl, Kingfishers, Black Phoebe, Tule Wren, W. Bluebird (in Berkeley), Parrots (ab.), Calif. Shrikes, Audubon Warbler, Meadowlark, Brewer Blackbird, Linnets, Willow Goldfinch, Song Sparrow (sp.?), Savannah Sparrow. 45 sp.

Dec. 15 - Rain - a fraction of an inch. Snow in mts.

Dec. 16-18 - Beautiful weather.

Dec. 19. Cloudy. Drove to Boulder Creek and back via Dumbarton Bridge. In the morning (11 a.m.), there were no egrets or pelicans but in the westernmost salt pools there were about a thousand pintails and eared grebes and a large flock of Bonaparte Gulls settled on the water and feeding from the surface. On the bay the tide was low and there were large

numbers of the three kinds of Sandpipers and Willetts. Red-backed Sandpipers were numerous on the salt pool and a few Dowitchers. On the west side of the bridge Clapper Rails were abundant - about 20 seen from the highway as we drove along - and a very few Bb. Plover. On the return trip at 5 p.m. both American (ab.) and Snowy (i) Egrets were on the south side of the highway. Warm at Boulder Creek.

Dec. 20 - Light rain all day afternoon.

Dec. 21. Clearing. Thrasher singing.

Dec. 24 Rain - heavy -

Dec. 25. Clear, brilliant day - Frosty morning.

Dec. 26-28. Rain.

Dec. 29 - Cloudy

Dec. 30, 31. Rain - Cold.

Jan. 1. Rain. 4 in. snow on Diablos.

Jan. 2. Rain. Heavy snow in Sierras -

Jan. 3. Clear. Snow on Mt. Hamilton Range

Drove to Boulder Creek and back via Dumbarton Bridge. No stop but saw many Sandpipers, Eared Grebes and in distance Willets, a few B.B. Plover and too far away to identify flocks of brown birds which were probably Godwits. Tide low. Caught many glimpses of Clapper Rails. On the way back many Am. Egrets, 1 Snowy Egret, Blue Herons and in distance a few W. Pelicans. Not more than half a dozen ducks seen. At Boulder Creek birds were concentrated in the sunny side of the valley, especially in the Huntington Place where there were stone asters and the remains of an old vegetable garden. At an alarm note from a Brown Towhee, ~~caused~~ about two hundred birds flew up from the ground - mostly juncos and G.C. Sparrows. In the trees there were chickadees, W. Bluebirds, Cedar Waxwings and a few R.C. Kinglets. Heard a Warbler (Lois saw a bird with much yellow) prob. Townsend Warbler and saw a flock of Willow Goldfinches and several Hermit Thrushes.

Jan. 4. Heavy frost in early morning. Clear.

Jan. 6. Cold. N. wind. Clear. Hermit Th. took bath at 5 p.m.

Jan. 7. Very cold. Ice on bird pools all day. N. wind.

Jan. 8. " " " " " " " " 27° "

Jan. 9. Still cold. Wind died down. Becoming cloudy.

At 7:30 a Wren-tit sang repeatedly Song Sparrows once.

Jan. 10. Warmer. Ice thawed. Raining.

Jan. 11. Raining all day. Snowed on range - Baldy et

Jan. 12. Clear, warmer. Walked to the top of the hill - the first time since last spring - (because of a bad knee). Thrasher and Song Sparrow singing.

Jan. 13. Raining again. Warm. Thrasher & Song Sp. singing.

Jan. 15 Drove to Boulder Creek and back. Showers and generally cloudy. ^{Wagon.} At Dunbarton Bridge there were ~~none~~ Pelicans, Egrets or Herons. About 300 Larch Goshawks, ^{one Ruddy Duck} a few Sandpipers (W. & Red backed), one Willet and four yellowlegs that were acting like Phalaropes. They appeared to be swimming, turned frequently and picked insects off the surface of the water. When they flew they showed yellow legs and gave the call of the Greater Yellowlegs. In the bay ^{a few Green-eyes.} At Mt. View marsh the tide was high. There were a hundred or more ducks (mostly pintails). Twenty or more Willets and a few curlews, - one of them a Long-billed. It was impossible to tell how many there really were because the tide was too high.

At Boulder Creek - in the town I noticed robins and an Audubon Warbler (warm weather) and near the cottages a Red-c. Kinglet, 1 Bullock Vireo, Creeper, Bush-tits, and as we drove out large flocks of juncos -

Jan. 16 N.W. wind. Clear. In the afternoon we drove up Grizzly Peak Blvd., parked the car and walked up to the top of Baldy. We could see the Sierras covered with snow. The only birds I saw were Golden-crowned Sparrows feeding under a eucalyptus tree. ⁽¹²⁻¹⁵⁾ The branches had been broken off by the snow (Jan. 11)

and there was still snow under the branches - also in shady places along the road.

Jan. 17. Cloudy again. In afternoon we walked up Panoramic way. A huge flock of Golden-crowned sparrows was seen on the S.W. slope (200±); 14 Cedar Waxwings perched on the electric wire; a few Audubon Warblers below the road on the South side of the hill. Two thrashers were singing - one up the ravine at the switch-back and one nearer the top of the road.

Jan. 18. A thrasher was singing beautifully in the decidar at the top of Orchard Lane. He has been there all winter -

The Faculty Section went to Lake Merritt. Cloudy, chilly with ^{heavy} rain after we came home. At the Embassadors among the Canvas backs, Ruddy's, Bluebills and Baldpates was a Red head - male in full plumage - and The European Widgeon. At the fresh water feeding station Mrs. Sheldon saw The Wood Duck. Pintails, Mallards, and Baldpates were very abundant. An immature Glaucous-winged Gull had a small round hollow gourd in his beak and kept playing with it until the negro began to feed the ducks. He would drop it, but pick it up again immediately chase any other gull that made a move to get it; fly away with it; return and drop it, catch it up etc. etc.

Jan. 19. Went to Boulder Creek via Dunbarlon Bridge and Mt. View Marsh. ^{Near} Between Alvarado and saw two large flocks of Savannah Sparrows (50+) and two flocks of Black-bellied Plover (30+ each) in the fields; also a Duck Hawk. At the bridge on the salt pools about 300 Eared Grebes - scattered instead of being all in the last pool on the right, some were on the left where the wind was less strong (north wind, clearing after rain). All three kinds of Sandpipers were present - and in large numbers but scattered - it was low tide. A number of Black-bellied Plover, Willets and four large tawny birds in the distance acted like Godwits. There were a few ducks: pintails, ruddies, shovellers. No egrets, pelicans or avocets. At Mt. View Marsh (tide low) there were many shore birds: Sandpipers, Dowitchers (40+), Bb. Plover, Willets, Hudsonian Curlew, Long-billed Curlew (50+) and one Godwit and several Yellowlegs - two of them decidedly smaller than the Willets which were next to them. There were more ducks in the marsh than at the bridge - but probably not more than 100 within range from the highway where we were parked.

Worked in the garden at Boulder Creek - Saw a flock of about 200 Bandtailed Pigeons disappear over the Summit of San Lomond about 4:30 p.m. Counted eight flocks of Juncos between Saratoga and the cottage. Saw one Turkey Buzzard near Saratoga. Weather was very cold as we spent the night at Santa Cruz.

Jan. 20. Thermometer down to 32° in Santa Cruz in the morning. After breakfast we drove up to the cottage reaching there about 9 a.m. In the roadway about 30 Siskins and Goldfinches were bunched on the ground eating seeds, I suppose. Birds flew in all directions as we drove on, goldfinches, juncos, towhees, Hermit Thrushes, bluebirds. During the morning I heard ^{also} Hutton Vireo, R.C. Knight, Creeper, Chickadees, Two Hermit Thrushes seemed to use the roadway as a boundary between their feeding territory. Several times I looked and each time one was west of the roadway, the other east and once the one on the east side came to the ²edge of the road only to be driven off by the other one. When we drove away at 1 p.m. they were still there and farther in there were two more, one on one side of the road, the other on the other side. A little farther on the same thing was noticed again. Very cold - solid ice in the bird pool and ground frozen all day in the shade - probably about 18° at night - 22° at Saratoga. In Berkeley water in a shallow pool was frozen solid.

Jan. 21 Temperatures very low - 24° on Campers, probably about 22° here. Pools frozen over and house plants in the porch nipped. Cold east wind.

Jan. 22. Moderating. Less wind but ice remains.

Jan. 23. Still very cold.

Jan. 24. Rain before daylight. Warmer. Later clearing wind. Cold.

Jan. 25. Clear. cold. Very heavy frost. Ice in gutters. Thrashers and Song Sparrow singing as if it were spring. A pair

of Spotted Towhees stayed together all the morning. They seemed to be locating a nesting site; spent much time in the hazel bushes in the edge of Mrs. Parsons place where they usually nest in summer.

Jan. 26. Raining -

Jan. 27. Clear morning - Rain p. m.

Jan. 28 Raining.

Jan. 29. Clear so started to Boulder Creek but it soon became stormy so we only went across Duncarton Bridge, to Mt. View Marsh and to Sanger for lunch, then home. Streets in Berkeley were flooded when we drove in.

Birds seen. Bl. Plover - many at Mt. View, a few at

(Long) Long-billed Curlew - 40+ " " " " & Drum.

(Long) Willets " " " " " "

(Long) Red-backed Sandpiper - 20-40 at bridge - salt pool

Long-b. Dowitchers - 15-20 at Mt. View Marsh.

Least Sandpipers - 10000 on mud at Mt. V. "

Godwits - one seen on Mt. View Marsh.

Lared Grebes - 100+ on last two salt pools at spots sheltered from wind (S.W.)

Tide was coming in and mud flats at the bridge were covered but marshes were still exposed. No Pelicans, Egrets; a few Gt. Blue Herons in wet fields, many Killdeer. 20+ ³ ~~Red-billed~~ ^{Sp. Sandpipers} on salt pool, no Bon. Gulls. Too many Clapper Rails at W end of bridge and in marsh. Mt. Hamilton range white with snow and much snow at summit of coast range above Sonoma.

Jan. 30. Still raining - a few flakes of snow at 9:30 a.m. Song Sparrows, Wren-tit & Thrasher sing between showers.

Feb. 2. Stadium to W. F. Club. 9:30-11:30 a.m. 1 Anna. Hummingbird, 4 Cal. Jays, 2 Flickers,

2 Titmice, 40+ Bush-tits, 8 Wren-tits, 10+ Robins, 8 Hermit Thrushes,

Feb. 2 (cont.) 1 Aud. Warbler on lawn at Infirmary, 10-12 Broun's, 37 Torches.

20± White-crowned Sparrows (sp.?), 30± Golden-crowns,

6 Fox Sparrows, 4 Song Sparrows.

143

Feb. 3, Drove to Boulder Creek. ^{snow piled at sides of road at top of ridge above Saratoga} Cloudy, warm.

At Dumbarton Bridge on the Salt pools there were no Egrets or Pelicans. Eared Grebes numerous as usual and a flock of about 30 Spoonbills next to the highway. A few Bluebills, (3 males, 3 females) mixed in with the grebes. In a puddle west of Alvarado there was a flock of about 30 Red-backed Sandpipers. At the bridge the tide was running out and the shore was covered with Sandpipers ^(these King) and Willets and in the distance 20-30 Godwits (wings showed dark cinnamon as they lifted them) There were thousands of birds as far as I could see to north and south - almost all of the larger ones being willets. ^{On the bay 2 Hottel's Grebes.} At Mt. View marsh the tide was out. A large flock of Avocets - most of them close together in the distance, two very near the highway. They used the sickle motion in feeding. Long-billed and Hudsonian Curlews, B. b. Plover.

List of Shore birds:

B. b. Plover - Common - scattered -

Long-billed Curlew " " at Mt. View -

Hudsonian Curlew - 2 seen " " "

W. Willets 1000± at bridge.

Least Sandp. ab. at Mt. View.

Red b. " " bridge

Dowitcher a few at Mt. View.

Western Sandp. ab. at bridge

Godwit - a few (20-30) at bridge.

Avocets (150±) at Mt. View marsh.

Coots (500±) in barn yard near Alvarado.

Feb. 4. Pouring rain - Left Boulder 10 a.m. for Berkeley.

Feb. 5. Raining late afternoon and all night.

Thrasher singing fiercely from top of bush beyond trees next to pool East of house. A pair of Song Sparrows keep together much of the time. Floods on Russian River. Warm.

Feb. 6. Still raining - warm.

Wren-tit sings, female answers.

Feb. 8 Clear, cold wind.

Feb. 9. Clear, chilly east wind. Warm in middle of day.

Feb. 10. Cloudy, cold east wind. Beginners at Lake Merritt. Ducks diminishing. Very few pintails.

Canvas backs and Baldpates most numerous (300+ each), one European Widgeon - Ruddy's (100+), Bluebills (150+), Mallards (50+), 5 Goldeneyes, 2 Buffbreasts. A few Pied-billed & Eared Grebes.

Went from Lake Merritt to Boulder Creek Rain at night.

Feb. 11. Raining. On way home stopped at Mt. View as tide turned (3 p.m.) Birds abundant.

Black-bellied Plover (a few); Long-billed Curlew (20-30); Hudsonian Curlew (one seen standing beside a L.C.); Willets abundant; Lesser Yellowlegs (2) (smaller than Willets at L.C.); Red b. & W. Sandpipers (a few Redb. showing black on lower parts), Dowitchers (20+), Godwits 30-50; Avocets (Bon. Gulls, a few.) Many spoonbills. A Grebe showed decided white cheek patch, larger than Eared Grebe and when it dove it simply sank below the water with no jump. One Pied-billed also. Eared Grebes on salt pools at Dunn. A few American Egrets in wet fields and 1 Snowy Egret near Baumberg.

(Mr. McCabe reported about 500 Godwits and 1 Avocet at San Diego.)

- Feb. 13. Rained hard all day.
- Feb. 14. Clear at last. First spring day but crisp. A thrasher sings just east of our house, another above Arden Rd., another at the top of Panoramic Way.
- Feb. 15, 16. Decided to go to Athens.
- Feb. 17. Rain at night. Birds have begun singing at dawn. Spotted Towhee, then Song Sp. then Thrasher.
- Feb. 20. Went with Mr. & Mrs. McCabe to Alameda, Bay Farm Island, Dunn Bridge and Mt. View marsh on the way to Boulder Creek.
- Bay Farm Is. (one stop) 12 Snowy Plover, 200 Red Sandpiper, W. Sandpiper (~~downy~~ ¹² com), Sanderling 50.
- Dunn Bridge (carsony) L. Sandp. com; W. Sandp. (prob. com), Red-b. Sandp. com., Willet 30, Gt. Yellowlegs 1.
- Mt. View Marsh. (examined from highway one hour)
 Long-b. Curlew 45; Godwits 2; Willets at least 150;
 Red-b. Sand. at least 200; W. & L. Sandp. common; Avocet 5,
 Br. Plover 10, Gt. Yellowlegs 5, Lesser Yellowlegs 15. Turn of tide
- Feb. 21, 22 beautiful spring weather.
- Feb. 23. Cloudy, ~~rain~~ Beginner's class went to Codornices Park. Besides the usual birds they have seen each week, we found the Purple Finch, Gambel Sparrow, Cedar Waxwings and Gambel's Ruffled Hummingbird (male).
- Feb. 24 Rain all day. Lucky Birds went to Mt. View marsh. Tide was so high (5.9) and rain so heavy that the water did not pull out until an hour later than schedule so I could not stay. Those who waited got Avocets (1), Black-bellied Plover (com) Long-billed Curlew (com) Willets (com) Godwits (many) Red-backed Sandpiper (ab.) No Dowitchers or Hooded Curlew.

1937

- Feb. 24 Berkeley. Saw male Allen Hummer in wild currant bush at the entrance to the garden.
- Feb. 25 Rain most of the day.
- Feb. 26. Occasional rain. Heard sixing ^{couple} *Pyrrhuloxia* on table. Crowned Sparrows singing again.
- Heard a Poor Will twice during the night.
- Calls repeated each time.
- Feb. 28. Flickers giving spring calls.
- Mar. 6. Lutescent Warbler at Orinda (Mrs. Blanks)
- Mar. 8. " " " Codomois (Fac. Section)
- Mar. 11 " " " 37 Mosswood.
- Mar. 13. Started on our journey to Greece.

See other note books.

July 12. Returned from Greece. From train saw flock of 20± Sandpipers near Suisun, 1 Tattler near S. Pablo.

July 13. I heard a bird song similar to but not exactly like that of a Purple Finch. It had the accent and slowness of a vireo's song but the quality of a purple finch but too subdued. No call notes were given. After listening some time, I discovered it was a thrasher imitating the finch. Spotted Towhee sang at dawn continuously. Song sparrows and robins were heard.

July 14. Lois told me she frequently heard queer noises from the flicker's box near her windows. We found a Screech Owl nesting in it.

~~July 15. When working in the gar.~~

July 16. We went to Boulder Creek where we found everything in excellent condition. The new garden bed in front of the porch was filled with flowers, gilia, ^{lunaria} ~~nemesia~~, evening primroses, Calif. poppies. No signs of gophers - a gopher snake about?

July 17.

I heard a Lanager early in the morning and later saw an adult male in the Landrum's orchard. Heard either a Lanager or robin singing as I drove through Ben Lomond yesterday.

~~I heard the Pyrragood. Thrasher calling, no song.~~

1937

July 19. Santa Cruz - Many Herring Gulls with white
heads; 2 Guillemots, Farallone Cormorants, Brown Pelicans
Tide high.

July 20 - Returned to Berkeley.

July 21. Saw the ^{1. Fox} red squirrel which Lois
says has been in the garden at
intervals for some time.

July 22. I flushed a quail from a nest
containing eight eggs. The nest was
hidden among the wild iris near
the steps. She did not leave the
nest until I almost stepped on her
and then, though the nest was in
front of me she flew up from
behind me. Evidently she slipped
off a foot or so before she flew.

July 24. Returned to Boulder Creek.

James opened the road along the
Lois Found Brown Towhee's nest in brown.
Railroad roadbed. On the way down
we stopped at Mt. View marsh. I
saw 20-30 Curlews. Only one was a
Long-billed. He looked larger as he
flew and gave a two syllabled call. ^{also showed curlew under wings}
The smaller ones gave a call of three
or more notes, higher pitched. All I
looked at carefully showed the stripes on
the head and shorter bills.

I saw also a few Willets and two
Black-bellied Plover in full plumage.
A flock of four small birds may have
been Westerns?, Sandpipers. Tide out.

July 30. Flushed the quail again (Berkeley garden).

July 31. We stopped at Mountain View Marsh for a few minutes when we passed at about 1:30 p.m. Tide was well out so there were very few birds near the highway but I saw from the car 10+ Hudsonian Curlew, 1 Long-billed Curlew, 1 Black-bellied Plover and 6 Willets. At Boulder Creek Towhees nest contained one unfledged bird - others in brood.

Aug. 2. I had about twenty minutes on the rocky coast of West Cliff Drive at Santa Cruz about 11:30 a.m. Tide was just turning. I counted eight Wandering Tattlers. Bills were long, feet yellowish, no white pattern in flight. Three Guillemots were near shore and one flew into a hole in the cliff (opposite Pemberton's nursery). Mocking bird on wire nearer town.

(At the cottage in the late afternoon (about 6:45 p.m.) I heard the call of the Golden-crowned Kinglet(?) repeated several times. I then saw him fly from near the top of the redwoods south of the cottage across to the top of a redwood near the road (B.R. rd) where he repeated his call. I remembered then that I had heard that call and had not noticed it was not a chickadee. ?)

Aug. 3. Heard a Grosbeak in the garden.

Aug. 4. Saw a Caspian Tern on San Francisco Bay. (Rich. Ferry)

Aug. 6. Hutton Vireo singing in garden

Aug. 7 At Pemberton Bridge 11:30 a.m. Tide coming in.

Willets 100+

Sandpipers, Western, 12+

Northern Phalaropes 1000+

Eared Grebes (pale brown) 5. (over)

Aug. 7 Sun. Bridge (contin)

White Pelicans 300+

Calif. Gulls 100 S. (adults)

Blue Herons 12+

Caspian Terns 20+

Cliff Swallows 6+

Barn Swallow 1

Brewer Blackbirds 100 S.

" Mountain View Marsh.

Sandpipers sp.? 100+

Willetts 40+

Curlew, Long-billed 6+

N " Hudsonian 45+

Black-bellied Plover 20+

Great Blue Heron

Kill deer.

Ring-billed Gulls.

Aug. 8 Boulder Creek, Brown Towhees still feeding young - all out of nest. The female of the pair drives off another - a third unmated bird? His feathers on the back are mutilated.

Aug. 9. Heard a Barn Owl during the night. The young owl has been heard every day each time we have been down.

Aug. 11. Berkeley. A family of Grosbeaks went through the garden. Young Vigor's Wrens singing.

Aug. 13. I found the quail's nest in the iris bed contained only empty shells.

Aug. 14. Dumbarton Bridge. 11 a.m. Salt Pools -

N. Phalaropes $< 1000+$

Eared Grebes < 14

White Pelicans $300+$

Caspian Terns $< 50+$

(First) Avocets $60+$

Willetts $20+$

W. Sandpipers $< 50+$

Calif. Gulls $< 400+$

Cliff Swallows $6+$

Black-cr. N. Heron 1

Gt. Blue Herons

Mountain View Marsh. Tide out. Lerlie Salt Sign (new)

Very few birds -

3 Long-billed Curlews, 8 Hudsonian, 10 Willetts.

12 Black-bellied Plover (full plumage).

Aug. 15 Boulder Creek. Pileolated Warbler seen.

Young Brown Towhee full grown but tail short.

Aug. 16. The note I have been supposing was that of a Pygmy Owl is given by a Chipmunk!

In the evening we saw two Boar Wills on the Sand Hill road on the Ben Lomond side of the summit.

Aug. 17. Mountain View Marsh: Tide just going out at noon. Birds in increasing abundance.

Hudsonian Curlews $45+$, Long-billed Curlews, $8+$

Sandpipers (distant, sp.?) $100+$, Willetts $50+$, Bl. Plover $50+$ $<$. Semi-palmated Plover?

San Mateo Bridge. Tide $\frac{1}{3}$ out. ~~Western~~ and Least

Sandpipers scattered over mud in both directions as far as I could see 1000s - Near shore on mud both Semi-

palmated and Snowy Plovers (a few of each). A few Willetts + Bl. Plover.

1937

August 20 - Berkeley. 5:15 to 6 a.m. Wren-tits (2) and Thrasher singing almost continuously - A Grosbeak called repeatedly. Later a (Downy) Willow Woodpecker pecked away at the back edge (underside) of the cover of the tin house box. Lutescent Warblers are about. Saw a group of Wren-tits chase each other in the brush across the road. Were the parents trying to drive the young out of the home territory?

Aug. 24 - many warblers about.

Aug. 28 Dunbarton Bridge 11 a.m.
~~Robins 60+~~ ?
 Ring-billed Gulls 20+ Bl. Plovers 2
 White Pelicans 50+ Willets 2
 Cormorants a few Sandpipers a few W. & L. Sea
 Gt. Blue Herons a few N. Phalaropes 1000+

→ Egrets 3 (first this fall) No ducks or rails
 Caspian Terns 12+

The first time the larger waders have been lined up on bay shore
 Mountain View 2 p.m. Incoming tide.

Curlew flying across the highway to marsh above - in groups of five or six - 10+ 3.

Hudsonian Curlew east of highway 12+

Willets a few No ducks or rails

Bl. Plover a few

Mrs. J. Hillman reported Wilson Phalarope seen at Mt. View marsh.

Aug. 28. Santa Cruz. 5:30 p.m. Tide beginning to lap

1 Shearwater? in kelp, floating. Size of large duck

2 Black Turnstone

1 Wandering Tattler

1 Phalarope, blew from shore and alighted on water.

Cormorants seemed to be of two varieties -

Farallone and Brandt's Murre Hermasian Gulls.

Aug. 3. Thrushes numerous after three or four weeks of absence. More warblers heard. Thrasher sings continuously in early morning. Wren-tits often song sp. occ. A Thrasher at the pool had many loose feathers in middle of back.

Sept. 4 Leslie Salt Pools (between Alvarado & Durr. Bridge) 10:30 a.m. Clear, warm.
 200+ Avocets (kipping up, many of them)
 1 Greater yellowlegs - first seen this fall.
 1 Am. Egret
 6 Willets
 8+ Ducks on water (Pintails)
 60+ " in flight (3 large groups 15-20 each
 6 small " 3-6 each)
 Black-crowned night Herons
 Lt. Blue Herons -

Drumbarlow Bridge. 11 a.m. Great increase in number of birds, esp. W. Pelicans and Ducks. Ducks were too far away to identify satisfactorily. Saw Pintails clearly. Probably Spoonbills also.

600+ White Pelicans.

6 Lined Grebes (probably more but less easily seen because of the abundance of other birds).

100+ Willets - very noisy (birds of the year?)

40+ Least Sandpipers

1 Forsters Tern

2000+ Chalaropes

500+ Ducks.

Sept. 4 Mountain View Marsh - Tide very high and still flowing in at 1:20 p.m., two full hours after high tide at Fort Point (11:17 a.m.). Only gulls (Calif.) & a very few small waders on west side of high way. Still no sails anywhere.

Sept. 5. Boulder Creek.

Cassins Vireos still singing
Towhees heard. Brown Towhees fairly

Sept. 11, Santa Cruz. 3 p.m. Tide almost high.

Only on one stretch of the West Cliff Drive did I find any rock. Landing migrants. At that place the tide does not rise to the bluff but leaves ~~and~~ sandy beach covered with kelp above the tide line. There are always many gulls loitering there. This time Western, California and Heermann Gulls. In addition there were about 6 Wandering Tattlers and 15 Black Turnstones. They kept near the tide line and advanced ^{a little} beyond as waves receded. Near the bluff where there are many cypress trees there were six ducks: 1 White-winged Scoter, 2 Surf Scoters (bright yellow bills), 1 Ruddy and 2 Golden Eyes - young males which showed large white patches in wings and the beginning of a white spot ~~back~~ front of the eye. Plumage brown. They were very near shore in excellent light. One northern Phalarope was under the bluff in calm water. Brown Pelicans were both adult and young. Cormorants Farallone -
The first Western Grebes of the season - 300

Three small birds which flew past giving a very musical call may have been Semipalmated Plover.

At Boulder Creek Cassin's Vireo was still singing in the distance and a Tanager called. Birds scarce there. Tramp hot again. Sept. 12.

Sept. 13. A Red-breasted Nuthatch was calling in the pines above the Botanical Gardens - An Allen Hummer was chased by Anna's whenever he tried to feed in the Tree Tobacco - Very warm.

Sept. 14. Yellow Warblers were seen in the maples on Durant Ave. just below Telegraph.

Sept. 15. A House Wren was calling near the Willer House on Morwood Road. Still warm.

Sept. 17. Drumheller Bridge. (

White Pelicans - only a few (50±)

Sandpipers - 1000 feeding on roadway.

Phalaropes - 1000 -

Loon? on bay -

No stop.

Mountain View Marsh. Tide just drawing out. Thousands of birds at 2 p.m.

Sandpipers, Western and Least - 1000 -

Longbilled Curlew 50±

1 Hudsonian Curlew 1.

Willetts 50±

Black bellied Plover, 50± (winter plumage)

Lesser Yellow Legs 1 - (beside a willetts and smaller than the willet)

Clapper Rails (2) the first seen this fall.

Light excellent. Numbers given refer to birds near the highway - Many further out in marsh.

1937

Sept. 18. Boulder Creek. Russet-backed Thrush was calling morning and evening. Cassin Vireo still present. Kingfisher, Creepers, Juncos, Chickadees, etc. As we came down the Saratoga grade eight vultures were seen soaring - a land breeze was blowing.

Sept. ~~29~~ 29. At Codornices Park one Allen Hummingbird was seen. Goldfinches (~~W~~) (Green-backed) were in fresh plumage and singing freely. A female Tanager was seen. Mrs. Fletcher reported a (Ruby-crowned Kinglet?) and Pileolated warbler in her garden. Interscent warblers were seen in the park.

Sept. 19. On the bay near the bridge toll gate there were great numbers of sandpipers and many gulls - some Bonaparte - dropping to the water as Terns do.

Sept. 24. Several Black-throated Gray Warblers were feeding in the oaks east of the house. Warm.

Sept. 25. At Santa Soquel at the home of Mrs. Ronald Good, I saw a flock of white-crowned Sparrows. Their bills were ^{clear} pale yellow and I judged from the song they were *J. Pugetensis*. Hot.

Sept. 27. Berkeley. Golden-crowned Sparrows were singing near our house. Cool.

Sept. 28. Cool, cloudy. Gambel Sparrows at Codornices Park. Also Pileolated warbler.

Sept. 29. Diablo County Clubs. Birds very scarce and silent except linnets and qb. goldfinches. A few Gambel Sparrows and one Golden-crown - Pinnate Tanager. Calif. Woodpeckers, Flicker, Willow Woodpecker, Titmice and Slender-billed Nuthatches, Bluebirds, Redtail & Turkey Buzzard. Beautiful weather.

Oct. 2 Crowned Sparrows (white-crown) heard as we Rame drove near Alvarado. At Dunbarton Bridge:
 a.m. 200 to 300 White Pelicans; Am. Egrets 20-40; 4 Blue Herons
 Snow there there and 300+ Cormorants in a salt
 pool south of the highway and much nearer
 than I usually see them. It is the first
 time I have ever seen a large number of
 (300+) Cormorants there (usually none, but recently
 Aug. 27 there were a few.)

Phalaropes very few; Eared Grebes 20+; Pintails 500+;
 Shorelarks (?) a few; W. & Least Sandpipers 1000+;
 many feeding in the roadway; Avocets 2-6;
 Willets 1000+, Bb. Plover 20+

Mt. View Marsh. Tide right at 2 p.m. about four hours after
 high tide (5 ft. 6 in) at Fort Point.

Hudsonian Curlew 4+; Long-billed Curlew 30-40;
 Bb. Plover 40-60; Willets 100-200; Least & W. Sandp. 100;
 Godwit 1; Yellowlegs 2 (on upper side of road).
 Count made from the car on the highway.

Oct. 4. Wildcat Canyon. Fletcher group.

We followed the bottom of the canyon above the reservoir. A Traill Flycatcher was seen and watched closely for about 15 minutes. No median line, yellowish under the tail. We could not distinguish any eye-ring but it was much too light underneath for a Wood Pewee. Gambel, Golden-crowns and Pinyon-Sparrows were seen; three Sh. Sh. Hawks circling about when a flicker perched in a dead oak flew out at them. This happened several times then the hawks rose in small circles above the hills and disappeared. Very few songs: Virgin's Wren, Wren-tit and a few white-crowns, one soft sweetest call from Titmouse. Winter aggregations already in evidence.

On the way home I saw a R. c. Kinglet in the Stratton's garden. Beautiful weather after first rain.
Oct. 5. Audubon Warblers were calling near our house.

Oct. 6. Heavy fog but lasting only a few minutes above the stadium (6:30 - 7:15 a.m.) then light with breeze.

Oct. 7-10. Hot, dry winds.

Oct. 11. Wildcat Canyon. A large flock of Willow Goldfinch at Spence St. Reservoir in grey winter plumage. Dr. Grinnell tells me they moult (body) twice a year while Gb. Goldfinches moult only once and into bright plumage in fall. Many flocks of Crowned Sparrows everywhere thick. On the campus I saw a small flock (10+) of Cedar Waxwings. Cooler.

Oct. 12 a.m. A House Wren heard off Walburns.

Oct. 12-16. Trip to Claremont and return. Left Tues. Oct. 12 at 4:20 p.m. and drove to King's City. Thunder shower during the night - spent at the Lindy Auto Court.

Oct. 13. Clear & fresh. Crowned Sparrows apparently very scarce. Lunch at Santa Barbara. Along the coast shore birds were frequently seen in small groups: Willets, a few Curlew (Long-billed), more Godwits and Bl. Plover, many Sandpeeps. Very few gulls - Very few stops made. Evidence of rain south of St. Barbara but none at Los Angeles where it was quite warm. Spent the night at Los Angeles. Mockingbird heard several times during the night.

Oct. 14. Drove to Claremont - Cloudy, cool. Attended the jubilee (50th yo.) exercises at Pomona College and after lunch went to Pomona. Heard no crowned Sparrow though in excellent territory for them. Started north about 4 p.m. - to Pasadena, San Fernando and Bakersfield where we spent the night at El Adobe Auto Court.

Oct. 15. Went from Bakersfield to Buena Vista Lake, still containing considerable water. Country about covered with desert plants. On the lake I saw Coots (ab.), Eared Grebes (feeding by keeping their heads under water while they floated about) a few Sandpipers (sp.?), two Am. Egrets, a raft of about 200-300 White Pelicans. In the distance or flying ^{a few Ancoets} a few ducks. and in flight beyond a concealing point of land some of the larger shore birds. Continued to Taft where we turned north through McKittrick. As we left the sage covered territory and came to grass lands Horned Larks became numerous and continued so through

the pass to Paso Robles where we had lunch - At Moss Landing just before sunset there were thousands of gulls - sand spits covered solidly with them. A few ducks ^(24.2?) in the lagoon; many pintails in a salt pool; a Snowy Egret going through most energetic motions - Reached Boulder Creek about 6:30 p.m. Rain during night.

Oct. 16. Clear and fresh. Kingfishers very noisy. Hermit Thrush & Ruby-cr. Kinglets heard. Returned to Berkeley in late afternoon.

Oct. 17. Berkeley. Many Golden-crowned Kinglets in the redwoods and pines below us. Clear, warm.

Oct. 18. Red-breasted Nuthatches heard west of house. Mrs. Fletcher's group went to Drumbarton Bridge and Mountain View Marsh. Near Alvarado we saw a group of 60+ White Pelicans circling for height. Later joined by another group. A few split off and moved westward toward the bay. The others disappeared north eastward in the haze.

At the Alvarado Duck Club we saw an Anthony Green Heron and thousands of ducks - the great majority Pintails; some Shovellers and Mallards.

At the Leslie Salt works more Pintails, a few Willets, ^{Dowitchers, 1 Lb. Scurlew.} Yellowlegs and Sandpipers. At Drumbarton Bridge about 600 Lared Grebes (one with head plumes); a few ^{Pintails.} Shovellers. No Phalaropes, Pelicans or Egrets.

At Mountain View, tide just turning, light excellent. Long-billed Curlew 40± (no Hudsonian) 1000 Bb. Plover, 1000 Willets; 20± Dowitchers, a few Yellowlegs. Many Sandpipers (no Red-tail 1 too much for identification, no Gadwall, 60+ Rails (Clapper)

At San Mateo Bridge thousands of birds - a few Lb. Curlews,
 many ¹⁰⁰⁺ Godwits, Willets, ³⁰⁺ Dainticks, ⁵⁰⁺ Bb. Plover, ¹⁰⁰⁺ Sandpipers, ^{100s}
 In salt ponds about 40 Avocets asleep - Species 44+

Beautiful warm day -

Oct. 19. Many waxwings on the Campus. Heard Red breasted
 Nuthatches on the hill near home. Also ^{8-10 P. nathans} (Other
 birds not abundant. Oct. 21. Cool, foggy -

Oct. 22. Warm again. Drove to Boulder Creek.

Oct. 23. Boulder Creek. Hutton Vireo, R. Kinglet, Hermit Thrush,
 S-c. Sparrows and large flocks of Chickadees & Juncos -
 No Kingfishers heard. Juncos were picking something
 off of roof - seeds or gravel? Beautiful weather.

Oct. 26 Mrs. Wilson's group went to Drumbarton Bridge,
 Mt. View, Redwood City, San Mateo Bridge, Alameda.
 Foggy. In order to reach Mt. View marsh before
 the tide was out too far we made no stops
 at Drumbarton Bridge but birds there were very
 abundant, especially Grebes. No pelicans or egrets
 were seen. At Mountain View the tide was too far out
 for us to see a great number of birds from the highway
 but we had good views of the different species - Long-
 billed Curlew, Bb. Plover, Willets, Dainticks, Yellow legs,
 Sandpipers, one Godwit, and Rails. As the fog did
 not lift we went to Mrs. Taylor's place ^{near} Redwood
 City for lunch - sunny and warm there. Hutton Vireos,
 Chickadees, Hermit Thrush, ^{Juncos} and Cinnamon Sparrows there
 At San Mateo Bridge the tide was almost high and
 birds were hunched together on sandpits, many with
 their heads under their wings. Willets and Godwits most
 numerous. At the Oakland Air Port traffic was too thick
 to allow of a stop but I saw a large flock of Sanderlings
 At the estuary between Bay Farm Island and Alameda

we made one stop where a number of Godwits (50±),
Willetts (30±), Dowitchers (3), and one Hudsonian
Curlew were seen very close at hand. Mallard
Ducks and Coots in the pools near the golf links.

(Oct. 27, 28) The Lacy Birds made a two day trip to Drum Bridge
Mt View Marsh, past Searsville Lake to the Schelling
Place where we ate lunch. Then on to the Skyline Blvd.
and to Boulder Creek where we spent the night.

The next morning after breakfast at Santa Cruz
we drove out the West Cliff Drive ^(very pretty) then to Watson-
ville and Moss Landing where we lunched on the
sand dunes overlooking the lagoon. We took a brand
road to Elkhorn and came into the Watsonville
road again just west of the junction. Then through
Chittenden Pass to Gilroy and home. Saw about 80 species

2 Common Loon (Santa Cruz and Moss Landing), W. Grebes (S. C.
Eared Grebes (Drum Br. & Moss Ldg.), Farallone Cove. (3 Cray. & Moss
Brown Pelican (Moss Ldg.), Gt. Blue Heron, Black-cr. Night Heron,
Am. Egret (M. L. & Elkhorn), Snowy Egret (M. L.), Red-tails, Wren
Scooters (ab. S. C. and M. L.) Surf Scoter (very few), Ruddy Duck (M.
Buzzard, Red-tails, Sh. Sh. ^{Coeper} Sparrow Hawks, ~~Mass. Hawk~~,
Quail, Clapper Rail, Coots, Bl. Plover, Killdeer, Semipalmated Plover
Black Turnstone (S. C.), Long-billed Curlew, Spotted Sandpiper (S. C.)
Willetts (ab.), Gt. Yellowlegs (10-15) Least Sandpiper, W. Sand a few,
Red backed, very few, seen for first time definitely this fall;
Lb. Dowitcher, Godwits (ab.), Sanderling (ab. S. C.), Avocet (1 Mt. L.
N. Phal (one, sick, Drum Br.), W. Br. Bon., Heers, Calif. & G. Wg. Gull
Short-eared Owl (Drum), Anna H., Kingfisher (flying high, noisy Boulder
Flicker, Calif. Woodp., Black Phoebe, Calif. & Coast Jay, Titmouse.
Chickadee, Dwr. Wren Thr., W. Bluebird, R. C. Kinglet, B. W. (very ab.),
Shrike, Aus. Warbler, Meadow Lark, Brewer's Redw., Black-bird
Eng. St. Purple Finch (Brookdale), Lark, Gt. Goldfinch, Siskin, Br. Towhee,

Bryant Sp., Pt. S. Junco, Gambel, Mitchell, Angel S. Gold cr.
Marsh Song Sparrows. Bonaparte Gulls were seen at
Moss Landing and Heermanns at Santa Cruz, esp. in
the river near the bridge.

Oct. 29. Fox Sparrows calling at dawn. A few have been heard but
not seen at feeding table yet. 2 Nuthatches in pines.

Oct. 30. Went to Boulder Creek with James. Some rain. Returned
in afternoon. Saw Varied Thrushes feeding on madrone berries.
A blue gray hawk (Cooper) flew into the oak tree at the
corner of the garage; heard the call of a small bird; hawk
flew out and through Gehennah, disappeared under trees
at end.

Oct. 31. Clear again.

Nov. 1. Mrs. Fletcher's group on lower campus. Saw several
Hermit Thrushes near together, calling excitedly. Possibly
a family group as some calls suggested young birds.
Several Townsend Warblers seen. Ruby-cr. Kinglet sang.
Anna Hummingbird pendulum with whistle -
Fox Sparrow seen.

Nov. 7. Boulder Creek. Clear, cold with frost in morn-
ing and $\frac{1}{2}$ in ice on the bird bath. Heard one
Kingfisher call.

Nov. 8. Faculty Group went to Codornices Park. No birds
in the lower part or along the stream until
we reached the Linparth's garden. We sat down
on the steps in the Scher's garden and within
an hour we saw eighteen different species
and heard two others (Robin Wren-t). Birds were
very abundant and many were singing esp. White-
crowned Sparrows. The song heard most frequently
was — — — — — (Hawthorn) The others
began on a high note — — — — — (Pipit)

1937

Nov. 8 (contin.) A Fox sparrow perched on the topmost spray of poison oak and ate the berries. A large flock of quail was disturbed every few minutes and flew up to perch in Elderberry bushes - probably disturbed by the Linford cat which disappeared in the bush as we came in.

Nov. 9. The Wilbur group went to the Diablo Country Club. Partly cloudy - Birds were very abundant and many more species than on Sept. 29.

Sparrow Hawks (1); Calif Quail (flock); Killedeer (5); Red-breasted Sapsucker (working on Eng. Walnut at Saravap); Nuttall Woodpecker (1); Calif. Woodpecker (many - storing acorns in an electric pole); Flicker (ab.); Say Phoebe (on fence outside club grounds); Black Phoebe; Calif Jay (several); Titmouse (several); Bush. Tit (1 flock); Slender-billed Nuthatch; Red-breasted Nuthatch (in deciduous tree); Thrasher (heard); Hermit Thrush (many); Varied Thrush (heard); Western Robin; Western Bluebirds; R.C. Kinglets (several); Cedar Waxwing; Aud. Warbler (ab.); Red-winged Blackbird (Saravap); W. Meadowlark (singing); Brewer Blackbird (Saravap); Linnet (ab); Yb. Goldfinch (a); Spotted Towhee; Brown Towhee; Junco; Agavebird Sp (all Golden-crowned Sparrow (a few)). 32 species.

Nov. 9 Rain at night - 2 in at Boulder Creek.

Nov. 13. Boulder Creek. Flocks of Pine Siskins - Rain at night. River high and muddy from rain Nov. 9, 10.

Nov. 16. Berkeley - rain. Snow in the mountains.

Nov. 17. Pine Siskins in flocks. Cloudy. Nov. 20, 21 - rain.

Nov. 21. 1000's of Ducks on bay, mostly Blue Bills & Scaup, a few Ruddies.

Nov. 22 Cloudy. Lady Birds went to Benicia Cordelia, and Sears Pt. Cut-off. At Benicia many Canvasbacks.

No snipe in marshes beyond Benicia. Great flocks of Willow Goldfinches eating ^{chickadee white dots on top of head} amaranth seeds. Some Gambel Sparrows. Flocks of Brewer and Redwing Blackbirds.

In the pond (fresh water near Vallejo on the Am. Canyon Road) we saw three male Buffleheads besides Ruddy's + Coots. At Sears Pt. Cut-off at high tide all the birds were on the north side of the road so that visibility was much better than when the birds are following the tide out on the shore line. I have never seen so many birds collected there. The cloudiness sometimes interfered with identifications. Ducks were mostly Pintails but Spoonbills and Ruddy's were numerous and one female Canvasback was seen. About 500 Avocets were settled on the water - not feeding. Small islands were crowded with Willets and Black-bellied Plover and stretching out in long lines between islets where water was not too deep were brown birds - Curlew or Godwits. Suddenly all the birds rose and milled about in the air, Avocets flying low, godwits (and Curlew?) above them - Sometimes they intermingled for a few minutes then separated into clear flocks of each kind and alighted again in the same place from which they had risen. When we turned back at the Sonoma Creek Bridge and returned to Vallejo we had better views of the brown birds and found whole flocks of Godwits with upturned bills. Birds seen:

1 Loon (sp.?) ; Pied-billed Grebes (20+); Eared Grebes (7±);
 White Pelicans (10+); ^{unborn fr. 1 Heron?} ~~Bittern~~ (1); Snowy Egrets (4); Am. Egret (50+); Great Blue Herons (20±); Mallard (very few); Shoveller (20-40); Pintail (5000-10,000); Canvas-back (1); Lesser Scaup (a few); Golden-eye (a few) (the four near Benicia seemed to Mrs. Sheldon to be Barrow's); Buffle-head (3); Ruddy's (300+); Redtails (3); Sparrow Hawks (15±); White-tailed Kites (3+); Sh. Sh. (1); Marsh Hawks (15±); Coots (1003); B.b. Plover (1005); Killdeer (3); Curlew (sp.?) (?); Sandpiper

Western (1005) (when settled covered one small island as thick as they could stand; Redbacked and Least (a few at Beincia);
 Wallets (500-1000); Godints (10005); Avocets (500+); Western
 Gulls, Bonaparte Gulls, Flickers, Black Phoebe (1); Tule Wren
 Pipits; Shrikes (25+); Audubon Warblers (a few); Redwings
 (10005); Meadowlarks (10005); Brewer Blackbirds (10005);
 Linnets (10005); Willow Goldfinches (1000+); Savannah Sparrows
 (40+); Juncos (a few); Gambel Sparrows (50+); Song Sparrow
 48 species.

Nov. 25. Since some identifications were unsatisfactory
 and the hunting season would open Nov. 27, I
 returned to Sears Pt. and found the following: Birds
 were much less numerous than on Monday but
 most of the shorebirds were on the mud flats as the
 tide was turning. We saw a large flock of avocets fly
 across to the shore and also many flocks of sandpipers
 and dowitchers. Mr. McCabe thought he saw a Black Rail.
 Grebes & Herons were the same as on Nov. 22 plus a few
 & Pelicans -
 Night Herons and several Bitterns. There were many Dowitchers
 and both Greater and Lesser Yellowlegs and a few Cormorants.
 Additional ducks were a flock of Am. mergansers (20+); mallards
 Canvas backs and a few Baldpates. Mr. McCabe went across
 the marsh to the shore and made sure that the large
 brown waders were Godints - at least most of them. Later
 we saw one Curlew near Valley's. We saw the three white
 tailed Kites again; also a short-eared Owl & a Burrowing Owl.
 Sandpipers were mainly Redbacked and Least in the marsh.
 Beautiful clear weather.

Nov. 30 Walked from poultry farm to the botanical gardens but
 found nothing but a few juncos. Very few birds in the gardens. W. Goldf.
 Aud. Warbler. Anna Hummer juncos, R. Kinglets, G.-C. Nighthawk sp. On hill above, flicker
 Coast Cal Jay. On way back Fox Sparrow. Eating madrone berries - robins & her. then

Dec. 4. Santa Cruz - with Mr. & Mrs. McCabe. Warm, water very calm. Tide ebbing 3-4 p.m. Brown Pelicans, fishing, great splashes of water. Baird, Brandt and Farallone Cormorants, Western Gulls ($8 \pm$); Surf Scoters 1000; Sanderling 200+; Black Turnstones 15+; Bb. Plover 10+; (A number of San Jose. And. Soc. reported Curlew below Sealight) At Boulder Creek - Kingfisher, Siskins

Dec. 5. Mountain View Marsh 4 p.m. Tide night. 1000s of birds. From the highway we saw near by Dunitchers 300+, Willetts 50+, Bb. Plover 40+, Least Sandpipers 100+, Redbacked S. 25+, Godwits 40+, Longbilled Curlew 30+, Hudsonian Curlew 8+, Lesser Yellowlegs 1 (McCabe). Birds uncounted were scattered over the marsh as far as we could see.

Dumbarton Bridge - water glassy, colors wonderful (sunset)

Sandpipers, Scaup Geese 400+; Godwits packed close together in salt pond. Willetts - 1 flock 20+ flew over.

Ducks: 5 flocks in flight near Alvarado.

Dec. 7. Golden Gate Park, heavy fog. Spent some time in Academy of Sciences. Weak sunshine later. Near academy Black Phoebe, Aud. Warblers. Near Children's Play Grounds: junco, ^{Bush Tit} Chickadees, Nuttall Sp. ^(Singing) Sp. Towhee, At Stow Lake: Ruddy, Canvasbacks, a few Bluebills, Mallards, 1 Ring-necked Duck, 3 Cackling Geese, Coots. At Chain of Lakes: Mallards 100+; Ruddy, Coots. Fox Sparrow, Chickadee, ^{Sh. Bl. Hawk} Red-breasted Nuthatches (many); Virginian Warbler (singing) Song Sparrow, ^{Zenaid} and Yellowthroat heard. Also Anna Hummer & Pied-billed Grebe and 1 ^{Horned} Grebe. 1 Hutton Vireo heard. At Palace of Fine Arts: Ruddy, Baldpate, Canvasbacks, Ring-necked Ducks (20+). Gulls: Western Californian, Ring-billed, Glaucous-winged. Eng. Sparrows. Br. Blackbird. The Horned Grebe was bathing and 33 species.

showed black on the crown and white of sides of the head extending higher, leaving a narrower line of black down the back of the neck. Neck thicker than in Scaup Grebe.

Dec. 8. Chilly, overcast all day. On the hill near the stadium there were flocks of robins, Aud. Warblers & Crowned Sparrows (fresh wave due to cold weather elsewhere?). Thrasher, Wren-tit, Song Sparrow singing. Went to Lake Merced with Lady Birds. Thousands of gulls on lawns at Olympic Club Golf Course (which flew across the new road just built by W. P. A. around the South Lake.) When not feeding on the grass they bathed and loafed in the lake. Most of them seemed to be Calif. Gulls. The next most abundant bird was the Coot but we found three Florida Gallinules. Scattered were Eared and Pied-billed Grebes and a number of Western Grebes which were giving all their calls. One lowered his head, reaching forward, and repeated a musical pee-éek, pee-éek many times and when he stopped raised his head again to normal position. Later two were keeping near together, one diving, the other remaining on the surface and repeating pee-éek as soon as the first bird rose to the surface and swimming toward the first bird with his head and shoulders and upper back just above the water and his feet sending up great splashes of water in the rear. This lasted until the first bird dove again. Then silence as long as he was down but more calls and the same maneuvers as soon as number one appeared. Very few ducks; six Ring-necked Ducks in a close bunch, 3 males, 3 females (or young); 30± Baldpates; 15± Ruddy's. One bittern was flushed and one rail heard but none seen. Song Sparrows, Nuttall Sparrows, Tule Wrens, Yellowthroats and Brewer Blackbirds - One Sh. Sh. Hawk flying just above the tules. 2 Gt. Blue Herons (one or two two Fallowow Cormorants. Two disabled gulls.

Dec. 9, 10 Heavy rains - Warm so that rain instead of snow fell in the mountains causing floods on many of the rivers

Dec. 11. Still raining but we drove to San Mateo Bridge to see if shore birds were abundant. Tide was going out and on the bay shore were thousands of birds, most of them Godwits which were very noisy. Heard no willets or Bb. Plover calling. Many sandpipers and dowitchers. The godwits were at the edge of the water, most of them Brown was the predominant color of the large birds and I could see the upturned bill of all those near the bridge. Water very rough - rain and S.W. wind.

Boulder Creek
18 in. in two days

Dec. 12. Thunder shower toward morning. Clearing. Drove over Grizzly Peak Blvd. to East Portal of new Low Level Tunnel then through tunnel and home. Mild.

Dec. 13. Beautiful weather, clear, mild. Faculty Group walked up Strawberry Canyon - dairy trail to swimming pool, to Canyon road, to Bulling Farm, to bridge across Strawberry Creek, by trail (Roman Road) home. A few Audubon Warblers, two flocks juncos, very few bush tits, many R-C Kinglets and Hermit Thrushes, Pigeons (or nuttall in flock with G-C. Sparrows, Thrasher, Vigors Wren, Titmouse (3), Pine Siskins (30 in alders), Varied Thrushes (south side of Strawberry Creek) Song Sp., Fox Sp. Spotted & Br. Towhees. Quail heard.

Dec. 16, 17. Heavy tule fogs at night. Very high tides 6.8, 6.9.

Dec. 17. Went with Mr. and Mrs. McCabe to Alameda.

Bay Farm Island, Dunbarton Bridge and Mt. View Marsh. Heavy fog early, then clearing to sunny afternoon. At the west end of the bridge from Al. to B. F. D. we drove to the left toward the garbage dump. Tide very high, covering all the marsh that is usually exposed. Fifteen Clapper Rails were on the edge of the road way (most of them), or on floating wood. They were very tame and allowed Mr. McC

to approach to three feet (one of them) when they took to their wings and alighted on flosses, or seaweed until they reached a feeding place. We went on to the air port and approached the estuary back of the buildings (E.) where we found Least Sandpipers scattered along the edge of the water and a few (4) Arcoets in flight. Behind a high dyke in a pool were 250+ Least Sandpipers with 2 Sanderlings. A bunch of Lesser Scaup in open water (30+). Tide running out but still very high. At Dunbarion Bridge in a salt pool (next to last on right (N.) of roadway) many Godwits and Willets massed and on the dyke beyond thousands. Mr. McCabe walked out on the dyke and they flew up in dense flocks to settle in the pool or farther on. He estimated 2500 Willets and 1000 Godwits. Also hundreds of Plover. In the last pool there were hundreds of Bonaparte Gulls and only about 20 Eared Grebes. 3 Am. Egrets and 2 W. Sandpipers seen. At Mountain View the tide was still very high so we explored to Alviso without results. Returned to Mt. View at the right tide ($4\frac{1}{2}$ hrs. +. after high tide at Fort Pt. 6.9 ft.) and found thousands of birds:

Hudsonian Curlew	Longbilled Curlew
Godwits	Willets
Dowitchers	BB. Plover
	Least Sandpipers

Then counted from the Bay Shore Highway.

Dec. 19. next page

Dec. 20. Several mornings recently at 7:45 a.m. I have heard a male Wren-tit sing continuously (15 times in 5 min.) but have heard no answering call from a female. Is this a bird without a mate? Possibly a bird of the year in new territory? Thrasher, Song Sparrow singing

Very few birds have come to the table for food this fall. Seeds last for days. No Fox Sparrow seen taking seeds this fall but hear their calls each morning.

Reasons: mild weather (no frost yet), abundance of food. Madrone berries in Santa Cruz Mts. not yet eaten. No Varied Thrushes or Robins at Boulder.

Dec. 18. Boulder Creek. Mild, dewy. Mushrooms every where. Miss Glesding made a collection. Very few birds. On the way home we passed Mt. View Marsh but tide was very high. At Dumbarton Bridge many hunters were about but Godwits and Wilets were still very abundant in the same call pool as on Dec. 17.

Dec. 20. Wind blew hard all night in Berkeley from the east as it did Dec. 19 (none at Boulder Creek).

Dec. 24. First frost of the season.

Dec. 25. Drove to Boulder Creek. Very clear, frost melting when we arrived about 1:30. Cleared and burned poison oak until dark. Heavy frost at night.

Dec. 26. Clear. Worked at clearing 10 a.m. to 12. Lay down in ^{Boulder Creek} sunbath 1 to 2 p.m. then drove to Santa Cruz. Many people on bluffs. Saw many Scoters (Duf. & White-winged), three kinds of Cormorants, about 100 Sanderling (heard their calls for first time - a single note, clear, sweet - "ting" - (see Dec 31) saw about 30 Heermann Gulls, two with white heads. A very large seal on top of Cormorant Rock.

Dec. 27. A very heavy frost and thick ice in bird pool. ^{Boulder Creek} Every bush white with frozen dew. Worked at clearing 10:30 a.m. to noon. Birds a little more numerous than last week: Kingfisher, Chickadees, G-c Kinglets, Warblers (sp.? very tiny note), juncos, Brown & Spotted Towhees, Pine Siskins, Purple Finch, Hermit Thrush, Black Phoebe. As we drove out several thrushes flew

1937

up into the madroños, probably Varied Thrushes. Found there had been heavy tide fogs in Berkeley.

Dec. 28, 29. Warmer in Berkeley but tide fog clear over the hills. Titmouse giving its spring calls - Peter, Peter. Wrenlet + Thrasher singing.

Dec. 30. Returned to Boulder Creek. Cloudy, warm.

Still very few birds. Saw one flock of Robins - no Varied Thrushes. At Santa Cruz in the afternoon of Dec. 31 along the West Cliff Drive I saw 15 Godwits and about 30 Heermann Gulls - Cormorants, Brown Pelican and W. Grebes. Scoters as usual. The Godwits and Heermann Gulls were near the lighthouse where I saw the Sanderling on Dec. 26. But though there were no Sanderling to be seen I still heard the same note which must have been given by the Heermann Gull. This time I heard it, especially when a Gull in flight came to join those grouped on the sand.

